

2023 Nebraska Crop Budgets

Robert Klein, Senior Editor, Western Nebraska Crop Specialist
Glennis McClure, Extension Educator - Agricultural Economics

The 2023 Nebraska Crop budget projections were created using cropping practice norms for many producers in Nebraska. However, each individual farming operation is unique and these budgets should be used only as a guide. The budgets for 2023 are available in the Agricultural Budget Calculator program at: <https://agbudget.unl.edu/> To modify these budgets you can download UNL budgets into your ABC program account or create your own. In addition, the reports for each of the 2023 crop budgets are saved as printable (pdf) files.

The danger in releasing a tool that can subsequently be modified is that there is no way to verify that no alterations have been made or unrealistic data entered. Therefore, users of the enterprise budgeting tool are responsible for independently verifying all results prior to relying on them.

For more information contact:

Robert Klein, 308.696.6705, or rklein1@unl.edu

Glennis McClure, 402-472-0661 or gmcclure3@unl.edu

Glennis can assist with budgets using the new Ag Budget Calculator (ABC) program. <https://cap.unl.edu/abc>

The following individuals contributed to these budgets in their specialty area:

Cody Creech	Extension Dryland Cropping Systems
Robert Harveson	Extension Plant Pathologist - Specialty Crops
Tamra Jackson-Ziems	Extension Plant Pathologist - Corn and Sorghum
Paul Jasa	Extension Biological Systems Engineer
Nevin Lawrence	Extension Weed Management
Dylan Mangel	Extension Plant Pathologist - Soybeans
Jay Parsons	Extension Biosystems Economist /Professor - Agricultural Economics
Chris Proctor	Extension Educator - Weed Management
Stephen Wegulo	Extension Plant Pathologist - Wheat and Ornamental
Robert Wright	Extension Entomologist

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Crop Budgeting Procedures

This publication contains 84 crop production budgets for 15 crops, as well as tables for power, machinery labor, and input costs used to develop these budgets. Each budget consists of five sections, including:

- Heading
- List of representative field operations
- List of materials and services used
- Operations and interest tabulations
- Overhead costs, including real estate taxes and opportunity charges

The 2023 budgets have been entered into the Ag Budget Calculator (ABC) program at: agbudget.unl.edu. After creating a free account in ABC, individual enterprise budgets can be downloaded and edited or customized in the program. This link provides more information: cap.unl.edu/abc.

Budget Divisions

The heading for each budget consists of the crop name, system description, and method of water application.

The list of representative field operations is organized in a table with columns for the operation name, quantity or number of times used with units, labor, fuel and lube, power source, and implement costs for both repairs and ownership. "Times" or "Quantity" is typically presented in acres with a decimal denoting where an operation is done on less than all of the acres or where it represents the probability of an operation being done. For those operations that are done multiple times, the number of times is listed. Swathing multiple cuttings of hay is an example. If a unit is other than "acres," it is specified in the "Unit" column. Other units used are bushels (bu), hundredweight (cwt), tons, and acre-inches (ai).

Labor costs for each operation were calculated from machinery accomplishment rates and adjusted for additional time required for getting machinery ready, adjusting machinery, and handling fertilizer and other supplies. The estimated costs for completing these operations are multiplied by the number in the "Times" or "Quantity" column, the product of which is multiplied by the hourly wage (\$25 per hour) and the labor factor.

Fuel costs also use machinery accomplishment rates as well as estimated fuel consumption rates to determine fuel use. The fuel cost is multiplied by a

lube factor of 1.15. The price of energy is estimated based on current information. Diesel for 2023 was figured at \$3.83 per gallon and \$0.10 per kWh for electricity. Repairs and depreciation costs are estimated using functions and factors from the Agricultural Engineer's Yearbook, which is published by the American Society of Agricultural and Biological Engineers. It requires making assumptions about the size and age of the equipment, which we did. We further assumed that machinery was fully utilized. With varying crop yields a harvest factor adjustment was entered as noted on some crop budgets. The factors used align with harvest costs per bushel or unit as found in the [2022 UNL Custom Rates report](#) information.

Data used to calculate power unit costs are in Table 1 and data used for machinery operation costs are in Table 2. All units are acres unless noted in the footnotes.

Irrigation costs were calculated using engineering performance standards and typical water application rates, which will depend on the rainfall area. Repair and ownership costs for the power component of the irrigation system refer to the pump and power unit. Repair and ownership costs for the implement component refer to the delivery system (pipe or pivot).

The **list of materials and services** used is calculated by multiplying the application rate by the application price (Table 3) and then by the percent acres applied. A value less than 100 percent is used when a material or service is applied on only part of the acres or part of the time. For example, fields planted with Bt corn seed must have 20 percent of the acres planted to a refuge crop. There would be 20 percent in the column called "Percent Acres Applied" for the non-Bt seed and 80 percent for the Bt seed. Another example is when a practice is not always used. If an insecticide is used one year out of four, a "25 percent" would be entered in the column "Percent Acres Applied." The cost for each material/service is computed by multiplying the percentage of acres by the quantity per acre and then by the price per unit.

Fertilizer types and rates noted in the budgets are estimated based on expected crop yields. Producers should apply fertilizer based on soil tests and their expected crop yields.

Table 1. Power Unit Cost Data

<i>Name</i>	<i>List Price</i>	<i>Age</i>	<i>Total Tach</i>	<i>Est. Hours per Year</i>
Large Tractor	411,169	7	850	200
Medium Tractor	165,000	5	800	200
Combine	568,000	5	700	200
Electric Pump	16,000	5	2,400	800
Diesel Pump for Pivot	15,750	5	2,400	800
Diesel Pump for Pipe	15,750	5	2,400	800
Windrower	178,285	5	800	200
Self-propelled sprayer	600,000	5	700	150

Prices for materials and services in the budgets were obtained in October 2022. Price changes will occur from this timeframe and should be considered by individual operators. Multiple Peril Crop insurance premiums per acre for the crop budgets are based on 2022 figures at 70% for irrigated and 75% for dryland RP (Revenue Protection) enterprise units. See *Table 6* for costs listed in budgets.

Actual federal crop insurance premiums for 2023 will be available for producers in the spring of 2023. Additional hail and wind or other additional insurance coverages per crop were not included in the budgets.

The value in the “Operation Index” column in the “Materials and Services” section indicated the corresponding operation in the “Field Operations” section. Data for calculating materials cost is in *Table 3*.

The **operations and interest** tabulations are the sum of totals of the first two sections with interest calculated on the cash costs. Cash costs in interest calculations include labor, fuel, and repairs from the list of field operations and all costs from the materials and services.

Overhead costs are entered as \$30 per acre (\$25 for small grain enterprises). Overhead expenses can vary widely from operation to operation and generally include accounting, liability insurance, vehicle cost, and office expense. Real estate cost is calculated using values from the UNL publication Nebraska Farm Real Estate Market Developments published in June 2022 times an investment rate of 3 percent. Until 2018, 4 percent was used. For 2023 budgets, 1.40% of real estate value was used to figure real estate taxes. Taxes on real estate are not included in interest calculations because in Nebraska they are due at the end of the year in which they accrue and are not delinquent until May and September of the following year.

A **production cost and cash cost** per unit of production is calculated. The cost per unit of production is the sum of all costs divided by the projected yield. The cash cost per unit of production does not include machinery power and

implement ownership, and real estate opportunity costs.

It should be noted that these budgets are cost estimates only. Revenue projections and profitability estimates are not included. In the UNL Ag Budget Calculator (ABC) program, a revenue section and additional features for customizing enterprise budgets are included, especially relating to machinery and equipment costs per farm or ranch operation.

Benefits of Soybeans in Corn/Soybean Rotation

The budgets for continuous corn are different from the budgets for corn after soybeans. A direct comparison of these budgets does not tell the entire story as some of the benefits from soybeans in a corn/soybean rotation are realized in the following corn crop.

One benefit is decrease of the corn rootworm problem. When corn follows soybeans, the root worm insecticide can be omitted and there is no need to purchase corn seed with the rootworm trait. This amounts to a \$20.00 per acre savings to the following corn crop.

A second benefit is that corn following soybeans will typically yield more. This increase is between 4 to 10 bushels per acre for irrigated corn and 10 to 30 bushels for dryland corn. Using a 10 bushel increase in corn and a price of \$6.50 per bushel results in a \$65 per acre increase in income.

A final benefit is the value of nitrogen produced by the soybean crop. If the soybeans produce 45 pounds of nitrogen per acre, this amounts to a savings to the corn crop of \$45.00 per acre when nitrogen costs one dollar a pound.

The above benefits amount to approximately \$130.00 per acre which does not include the benefits of spreading labor and machinery use requirements out over a longer time frame.

However, additional phosphorus must be applied to replace that used by the soybeans in a corn crop following soybeans. This amounts to about 0.8 pound for every bushel of soybeans produced. The cost to replace 48 pounds of P2O5 needed for a 60 bushel per acre soybean crop would

be approximately \$34 per acre or about \$100.00 average per acre benefit of soybeans in the corn/soybean rotation. The benefit may be as much as twice that in dryland with the higher corn yields following soybeans.

Table 2. Machinery Cost Data

<i>Operation Name</i>	<i>List Price</i>	<i>Age</i>	<i>Annual Use</i>	<i>Unit</i>	<i>Units per Hour</i>	<i>Diesel Use per Hour</i>
Anhydrous Application	N/A	5	1,000	acre	15	3.30
Bale Large Round	57,494	5	1,000	ton	10	2.88
Bale Large Square	174,913	5	1,000	ton	16	6.19
Bale Small Square	34,610	5	1,250	ton	4	3.50
Cart	124,000	5	440k	bushel	1,540	3.00
Chisel	80,096	5	2,000	acre	11	8.26
Chop Stalks	62,533	5	500	acre	12	5.74
Combine Dryland Corn - Header	72,868	5	1,000	acre	8	10.50
Combine Dryland Soybeans - Header	91,364	5	1,000	acre	7	10.50
Combine Dryland Sorghum - Header	38,126	5	1,000	acre	7	10.50
Combine Irr Corn - Header	72,868	5	1,000	acre	6.5	10.50
Combine Irr Dry Beans - Header	91,364	5	1,000	acre	6.5	10.50
Combine Irr Soybeans - Header	91,364	5	1,000	acre	6	10.50
Combine Irr Sorghum - Header	38,126	7	1,000	acre	7	10.50
Combine Irr Dry Beans-Draper Flex Platform/Header	91,364	5	1,000	acre	5.5	10.50
Combine Small Grain - Header	91,364	5	1,000	acre	8	10.47
Combine Sunflowers - Header	91,364	5	1,000	acre	8	10.50
Corrugate	71,236	5	300	acre	7	4.39
Disk	57,500	5	2,000	acre	11	8.29
Double Windrows	14,969	10	300	acre	20	2.11
Drill	75,005	7	1,500	acre	12.5	4.99
Drill Grass	75,005	7	1,000	acre	9	4.29
Drill No-Till	100,000	5	1,000	acre	12	6.07
Drill w/ Fertilizer	96,218	10	1,500	acre	11	5.00
Field Cultivation	71,236	5	1,500	acre	15	8.20
Harrow	60,882	5	1,000	acre	19	2.05
Irrigation Ditch	N/A	5	1,000	acre-inch	2	
Irrigation Pipe Diesel 125' Lift	N/A	10	2,600	acre-inch	2	3.03
Irrigation Pivot Diesel 125' Lift	110,000	10	2,600	acre-inch	2	3.34
Irrigation Pivot Diesel 125' Lift w/fertigation	125,000	10	2,600	acre-inch	2	3.34
Irrigation Pivot Electric 125' Lift	110,000	10	2,600	acre-inch	2	
Irrigation Pivot Electric 125' Lift w/fertigation	125,000	10	2,600	acre-inch	2	
Lift Beets	226,815	5	1,000	acre	6	6.19
Load Large Square	8,500	5	3,000	ton	20	4.00
Load Small Square	8,500	5	1,250	ton	10	2.00
Move Large Round	8,500	5	3,000	ton	21	4.00
Pickett Windrower	52,750	5	1,000	acre	10	6.07
Planter	170,042	5	1,500	acre	10	2.73
Plant Narrow Row	170,042	5	1,500	acre	10	2.58
Plant No-Till	170,042	5	1,500	acre	10	3.38
Plow	30,000	5	1,000	acre	8	6.00
Ridge Cultivate/Ditch	102,441	5	1,000	acre	12	5.33
Ridge Cultivation	102,441	5	1,500	acre	10	5.33
Ridge Plant and Band Herbicide	125,000	5	1,500	acre	13.2	5.35
Rod Weeder	61,043	5	1,000	acre	13	5.35
Rod Weeder & Fertilizer	71,043	5	1,000	acre	13	5.35
Roll	33,000	5	300	acre	12	5.46
Roller Harrow	60,882	5	1,000	acre	10	5.00

Table 2. Machinery Cost Data (Continued)

<i>Operation Name</i>	<i>List Price</i>	<i>Age</i>	<i>Annual Use</i>	<i>Unit</i>	<i>Units per Hour</i>	<i>Diesel Use per Hour</i>
Rotary Hoe	28,500	5	1,000	acre	15	3.67
Row Crop Cultivation	72,301	5	1,000	acre	11	3.5
Seeder/Packer	75,005	5	1,000	acre	8	4.29
Spray (Prior Year Stubble)	89,220	5	2,500	acre	33	2.64
Spray Fertilizer	89,220	5	1,000	acre	33	2.64
Spray Fertilizer and Herbicide	89,220	5	1,000	acre	33	2.64
Spray Herbicide	89,220	5	2,500	acre	33	2.64
Spray Insecticide	89,220	5	2,500	acre	33	2.64
Spray Spring Burndown Herbicide	89,220	5	2,500	acre	33	2.64
Spread Fertilizer	65,818	5	1,000	acre	13	3.86
Subsoil/One-Pass Tillage	102,441	5	1,000	acre	9	8.25
Swath/Condition Hay	42,562	5	2,000	acre	10	5.00
Till Plant Beets	103,194	5	1,000	acre	6	8.25
Top Beets	115,795	5	1,000	acre	6	3.50
Turn Windrows	52,750	5	1,000	acre	12	2.10
Windrow Grain	52,750	5	3,000	acre	10	5.00

Table 3. Material Prices (prices as of October 2022)

<i>Item</i>	<i>Price per Unit</i>
Additives	
21-0-0-24S	\$0.45 / pound
AMS	\$0.45 / pound
Approved adjuvant	\$2.25 / acre
Crop Oil Concentrate	\$12.00 / gallon
MSO	\$22.00 / gallon
NIS	\$26.00 / gallon
UAN	\$3.60 / gallon

Custom	
Aerial Spray	\$10.00 / acre
Bale Lg Sq 1360 lb	\$17.08 / bale
Broadcast Seed	\$14.00 / acre
Chop, Haul, Pack	\$17.00 / ton
Dry 2 Points Removed	\$0.08 / bushel
Haul & Apply Manure	\$ 7.00 / ton
Haul Beets	\$ 5.00 / ton
Haul Grain (Dry Beans)	\$0.30 / cwt
Haul Grain (Millet)	\$0.26 / cwt
Haul Grain (Sunflower)	\$0.32 / cwt
Haul Grain Bushels	\$0.13 / bushel
Load Large Square Bales	\$2.25 / bale
Spray	\$8.50 / acre

<i>Item</i>	<i>Price per Unit</i>
Fertilizer	
10-34-0	\$4.20 / gallon
10-34-0-1Zn	\$4.30 / gallon
11-52-0	\$0.48 / pound
28-0-0	\$3.10 / gallon
32-0-0	\$1.00 / lbs N
32-0-0 (Applied by Pivot)	\$1.00 / lbs N
32-0-0 (Applied by R2)	\$1.00 / lbs N
46-0-0	\$0.87 / lbs N
82-0-0	\$0.85 / lbs N
Composted manure	\$25.00 / ton
Uncomposted manure	\$4.00 / ton

Fungicide and Seed Treatment	
Aproach Prima	\$290.00 / gallon
Copper	\$8.00 / pint
Headline AMP	\$219.00 / gallon
Lucento	\$575.00 / gallon
Miravis Neo	\$240.00 / gallon
Miravis Top	\$190.00 / gallon
Priaxor	\$580.00 / gallon
Proline 480 SC	\$690.00 / gallon
Prosaro 421 SC	\$350.00 / gallon
Quadris	\$240.00 / gallon
Quilt Xcel	\$240.00 / gallon
Revytek	\$400.00 / gallon
Soybean Seed Inoculant	\$7.00 / acre
Stratego YLD	\$640.00 / gallon
Tilt	\$110.00 / gallon

Table 3. Material Prices (Continued)

<i>Item</i>	<i>Price per Unit</i>
Herbicide	
2,4-D Amine	\$24.00 / gallon
2,4-D Ester 4#	\$34.00 / gallon
AAtrex 4L	\$22.00 / gallon
Acuron	\$85.00 / gallon
Aim 2EC	\$220.00 / quart
Ally Extra SGW/TOTSOL	\$10.00 / ounce
Armezon	\$22.00 / ounce
Armezon Pro	\$180.00 / gallon
Atrazine 4L	\$22.00 / gallon
Atrazine 90 DF	\$5.00 / pound
Authority First DF	\$100.00 / pound
Authority MTZ	\$40.00 / pound
Authority Supreme	\$580.00 / gallon
Balance Flexx	\$5.40 / ounce
Basagran 5L	\$85.00 / gallon
Beyond	\$580.00 / gallon
Bicep II Magnum	\$48.00 / gallon
Brox 2EC	\$65.00 / gallon
Callisto 4SC	\$350.00 / gallon
Chateau SW	\$80.00 / pound
Dicamba	\$57.00 / gallon
DiFlexx	\$245.00 / gallon
DiFlexx DUO	\$115.00 / gallon
Distinct	\$46.00 / gallon
Dual Magnum	\$75.00 / gallon
Engenia	\$150.00 / gallon
Enlist DUO	\$45.00 / gallon
Enlist One	\$58.00 / gallon
Eptam 7E	\$64.00 / gallon
Fierce	\$137.00 / pound
Fierce MTZ	\$265.00 / gallon
FlexStar GT	\$55.00 / gallon
Glyphosate 5# w/Surfactant	\$40.00 / gallon
Gramoxone SL 2.0	\$43.00 / gallon
Huskie	\$120.00 / gallon
Landmaster BW	\$29.00 / gallon
Laudis	\$660.00 / gallon
Liberty 280	\$80.00 / gallon
Lumax EZ	\$71.00 / gallon
Norton SC	\$116.00 / gallon
Outlook	\$173.00 / gallon
Peak	\$19.00 / ounce
Prowl H2O	\$58.00 / gallon
Pursuit	\$460.00 / gallon
Raptor	\$600.00 / gallon
Roundup PowerMax 3	\$55.00 / gallon
Roundup WeatherMax	\$63.00 / gallon
Rugged	\$44.00 / gallon

<i>Item</i>	<i>Price per Unit</i>
Herbicide	
Scorch	\$70.00 / gallon
Select Max	\$123.00 / gallon
Sharpen	\$935.00 / gallon
Sonalan HFP	\$60.00 / gallon
Spartan 4F	\$250.00 / gallon
Status	\$5.00 / ounce
Ultra Blazer	\$62.00 / gallon
Valor XLT	\$62.00 / pound
Velpar L	\$115.00 / gallon
Vida	\$560.00 / gallon
Warrant	\$43.00 / gallon
Warrant Ultra	\$62.00 / gallon
XtendiMax	\$73.00 / gallon
Zidua Pro	\$590.00 / gallon
Zidua SC	\$830.00 / gallon

Insecticide	
Asana XL	\$80.00 / gallon
Brigade 2EC	\$180.00 / gallon
Capture LFR	\$380.00 / gallon
Mustang Maxx	\$220.00 / gallon
Regent 4 SC	\$11.00 / ounce
Warrior II/Zeon	\$400.00 / gallon

Other	
Electricity Fixed	\$40.00 / acre
Electricity Usage	\$0.10 / kw
Fence/Water Repairs	\$260.00 / circle
Irrigation District O&M Charge	\$35.00 / acre
Move Cattle	\$25.00 / hour
Twine Large Round	\$1.50 / bale
Twine Large Square	\$1.23 / bale
Twine Small Square	\$0.47 / bale

Rental	
Grass Drill	\$25.00 / acre
Seeder/Packer	\$20.00 / acre

Scouting	
Scouting Dry Beans	\$11.00 / acre
Scouting Dryland Corn	\$8.00 / acre
Scouting Dryland Soybeans	\$8.00 / acre
Scouting Dryland Wheat	\$8.00 / acre
Scouting Grain Sorghum	\$8.00 / acre
Scouting Irrigated Corn	\$13.00 / acre
Scouting Irrigated Soybeans	\$13.00 / acre
Scouting Irrigated Wheat	\$8.00 / acre
Scouting Sugar Beets	\$17.00 / acre

Table 3. Material Prices (Continued)

<i>Item</i>	<i>Price per Unit</i>
Seed	
Alfalfa RR 2/Inoculant	\$9.00 / pound
Alfalfa w/Inoculant	\$6.25 / pound
Corn	\$250.00 / bag
Corn Bt, ECB, & RIB	\$280.00 / bag
Corn Bt, ECB, RR2, LL & RIB	\$280.00 / bag
Corn Bt, ECB, RW, & RIB	\$310.00 / bag
Corn Bt, ECB, RW, RR2, LL&RIB	\$310.00 / bag
Corn RR2, LL	\$270.00 / bag
Corn SmartStax RIB Complete	\$320.00 / bag
Cover Crop	\$22.00 / acre
Cover Crop Grazing Mix	\$33.00 / acre
Edible Beans	\$93.00 / cwt
Grass Seed	\$80.00 / acre
Millet (Proso)	\$0.75 / pound
Oats	\$11.00 / bushel
Peas with inoculant	\$28.00 / bag

Converting Energy Numbers in Budgets

If your energy source is different from that used in the crop budgets, use Table 4, developed by Extension Irrigation Engineer Derrel Martin, to convert from diesel to other energy sources.

For example, to convert diesel in gallons to kilowatt-hours of electricity, the multiplier is 14.12. If electricity is \$0.10 per kilowatt, the calculation would be $14.12 \times 0.10 = \$1.41$. The 2023 crop budgets use \$3.83/gallon for the price of diesel. With electricity you must also include connection charges, and to get the best rates, the electric company’s load management service may be utilized.

Table 4. Conversion of Diesel to Other Energy Sources

*Propane, Gasoline, and Natural Gas**

<i>Energy Source</i>	<i>Units</i>	<i>Multiplier</i>
Electricity	Kilowatt hours	14.12
Propane	Gallons	1.814
Gasoline	Gallons	1.443
Natural gas	1000 Cubic Feet	0.2026

*Source: Estimating the Savings from Improving Pumping Plant Performance by UNL Irrigation Engineer, Derrel Martin

<i>Item</i>	<i>Price per Unit</i>
Seed	
E3 Enlist Soybeans	\$65.00 / bag
E3 Enlist Soybeans Treated	\$78.00 / bag
Liberty Link Treated Soybeans	\$78.00 / bag
RR2 Soybeans	\$65.00 / bag
RR2 Soybeans Treated	\$78.00 / bag
RR2 Soybeans Xtend	\$67.00 / bag
RR2 Soybeans Xtend Treated	\$80.00 / bag
Sorghum Safened/Insect	\$3.80 / pound
Sorghum Sudan	\$1.00 / pound
Sorghum Sudan (Treated)	\$1.30 / pound
Sorghum Sudan Brown (Treated)	\$1.70 / pound
Sorghum Sudan Brown Midrib	\$1.40 / pound
Sugar Beets RR Poncho	\$195.00 / acre
Sunflower Clearfield	\$400.00 / bag
Wheat (Certified Treated)	\$0.32 / pound
Wheat Cover Crop	\$0.20 / pound

Diesel Fuel Conversion for Center Pivots

The crop production budgets with center pivot irrigation were developed with a pumping lift of 125 feet and 35 psi pressure to determine the amount of diesel fuel used per hour. Table 5 was developed by Derrel Martin to determine the amount of diesel fuel for various pumping lifts and pressures to pump an acre-inch of water.

For example, the amount of diesel required to pump an acre-inch of water with 125 feet of lift at 35 psi is 1.88 gallons with a pump performance rating of 100 percent. If the producer has a lift of 300 feet and a pressure of 50 psi, the diesel fuel required at a performance rating of 100 percent is 3.79 gallons per acre-inch. If the rating on the producer’s pump is 80 percent, the diesel fuel required will be 4.74 gallons per acre-inch of water.

With this information, the producer can calculate the additional cost since the diesel fuel required is now 4.74 gallons per acre-inch vs. 1.88 gallons per acre-inch. This is 2.86 gallons more per acre-inch. If a crop budget requires 9 inches, the additional diesel fuel would be 25.74 gallons of diesel at \$3.83/gallon (9 inches x 2.86 gallons x \$3.83/gallon). The producer’s additional cost would be \$98.58 per acre.

Table 5. Diesel fuel required by center pivots for various lifts and pressures and various pump performance ratings.

125 feet of lift and 35 PSI are used in the crop budgets. This table provides diesel fuel gallons used per acre-inch of applied water at different lifts and pressures with a pump performance rating of 100 percent. At different pump performance ratings, a multiplier is used to determine diesel gallons needed per acre-inch.

<i>Lift Feet</i>	<i>Pressure at</i>							
	10	20	30	35	40	50	60	80
0	0.21	0.42	0.63	0.74	0.84	1.05	1.26	1.69
25	0.44	0.65	0.86	0.97	1.07	1.28	1.49	1.91
50	0.67	0.88	1.09	1.20	1.30	1.51	1.72	2.14
75	0.89	1.11	1.32	1.43	1.53	1.74	1.95	2.37
100	1.12	1.33	1.54	1.65	1.75	1.97	2.18	2.60
125	1.35	1.56	1.77	1.88	1.98	2.19	2.40	2.83
150	1.58	1.79	2.00	2.11	2.21	2.42	2.63	3.05
200	2.03	2.25	2.46	2.57	2.67	2.88	3.09	3.51
250	2.49	2.70	2.91	3.02	3.12	3.33	3.54	3.97
300	2.95	3.16	3.37	3.48	3.58	3.79	4.00	4.42
350	3.40	3.61	3.82	3.93	4.03	4.25	4.46	4.88
400	3.86	4.07	4.28	4.39	4.49	4.70	4.91	5.33
Gallons of diesel fuel required to pump an acre-inch of water at pump performance ratings of 100 percent.								
Rating %	100	90	80	70	60	50		
*Multiplier	1.00	1.11	1.25	1.43	1.67	2.00		

**Multiplier when pumping plant performance is less than 100 percent.*

Source: *Estimating the Savings from Improving Pumping Plant Performance* by UNL Extension Irrigation Specialist Derrel Martin.

Table 6. Federal Crop Insurance Premium Estimates

Estimates for 2022 are based on 75% RP, enterprise units on Dryland Crops and 70% RP, enterprise units on Irrigated Crops. (RP is Revenue Protection.)

<i>Budget</i>	<i>Dryland or Irrigated</i>	<i>Area</i>	<i>Yield</i>	<i>Per Acre Premium</i>	<i>Budget</i>	<i>Dryland or Irrigated</i>	<i>Area</i>	<i>Yield</i>	<i>Per Acre Premium</i>
1-Alfalfa	Dryland	State	N/A	N/A	43-Dry Beans	Irrigated	Panhandle	27 cwt	\$30.00
2-Alfalfa	Dryland	State	N/A	N/A	44-Dry Beans	Irrigated	Panhandle	27 cwt	\$30.00
3-Alfalfa	Dryland	State	N/A	N/A	45-Dry Beans	Irrigated	Panhandle	27 cwt	\$30.00
4-Alfalfa	Dryland	State	2.8 ton	N/A	46-Grain Sorghum	Dryland	Southwest	115 bushel	\$31.00
5-Alfalfa	Dryland	State	2.8 ton	N/A	47-Grain Sorghum	Dryland	State	135 bushel	\$27.00
6-Alfalfa	Irrigated	State	3.8 ton	N/A	48-Grain Sorghum	Dryland	Southwest	120 bushel	\$31.00
7-Alfalfa	Irrigated	State	4 ton	N/A	49-Grain Sorghum	Irrigated	State	170 bushel	\$17.00
8-Alfalfa	Irrigated	Panhandle	2.5 ton	N/A	50-Grass	Irrigated	State	N/A	N/A
9-Alfalfa	Dryland	State	4.4 ton	N/A	51-Grass Hay	Dryland	State	3.3 ton	N/A
10-Alfalfa	Irrigated	State	6.7 ton	N/A	52-Millet (Proso)	Dryland	Panhandle	22 cwt	\$9.00
11-Alfalfa	Irrigated	State	6.8 ton	N/A	53-Millet (Proso)	Dryland	Panhandle	22 cwt	\$9.00
12-Alfalfa	Irrigated	Panhandle	6.6 ton	N/A	54-Oats	Dryland	State	85 bushel	\$13.00
13-Alfalfa	Irrigated	State	6.6 ton	N/A	55-Pasture	Irrigated	State	11 AUM	N/A
14-Alfalfa	Irrigated	State	6.8 ton	N/A	56-Peas	Dryland	Panhandle	35 bushel	\$14.00
15-Corn	Dryland	State	100 bushel	\$33.00	57-Sorghum-Sudan	Dryland	State	5 ton	N/A
16-Corn	Dryland	State	110 bushel	\$33.00	58-Soybeans	Dryland	State	45 bushel	\$32.00
17-Corn	Dryland	Eastern	160 bushel	\$8.00	59-Soybeans	Dryland	State	50 bushel	\$32.00
18-Corn	Dryland	Eastern	170 bushel	\$8.00	60-Soybeans	Dryland	State	45 bushel	\$32.00
19-Corn	Dryland	State	135 bushel	\$36.00	61-Soybeans	Irrigated	State	67 bushel	\$9.00
20-Corn	Dryland	Eastern	180 bushel	\$8.00	62-Soybeans	Irrigated	State	70 bushel	\$9.00
21-Corn	Dryland	State	140 bushel	\$36.00	63-Soybeans	Irrigated	State	75 bushel	\$9.00
22-Corn	Dryland	Eastern	185 bushel	\$8.00	64-Soybeans	Irrigated	State	64 bushel	\$9.00
23-Corn	Dryland	State	145 bushel	\$38.00	65-Soybeans	Irrigated	State	78 bushel	\$9.00
24-Corn	Dryland	Eastern	195 bushel	\$9.00	66-Soybeans	Irrigated	State	78 bushel	\$9.00
25-Corn	Dryland	Southwest	130 bushel	\$33.00	67-Soybeans	Irrigated	State	78 bushel	\$9.00
26-Corn	Irrigated	State	245 bushel	\$12.00	68-Sugarbeet	Irrigated	Panhandle	30 ton	\$45.00
27-Corn	Irrigated	State	255 bushel	\$12.00	69-Sugarbeet	Irrigated	Panhandle	30 ton	\$45.00
28-Corn	Irrigated	State	250 bushel	\$12.00	70-Sugarbeet	Irrigated	Panhandle	30 ton	\$45.00
29-Corn	Irrigated	Panhandle	175 bushel	\$19.00	71-Sugarbeet	Irrigated	Panhandle	30 ton	\$45.00
30-Corn	Irrigated	State	245 bushel	\$12.00	72-Sunflower	Dryland	Panhandle	13 cwt	\$18.00
31-Corn	Irrigated	State	250 bushel	\$12.00	73-Sunflower	Dryland	Panhandle	16 cwt	\$18.00
32-Corn	Irrigated	State	245 bushel	\$12.00	74-Sunflower	Irrigated	Panhandle	30 cwt	\$13.00
33-Corn	Irrigated	State	275 bushel	\$13.00	75-Wheat-Spring*	Dryland	Southwest	40 bushel	\$9.00
34-Corn	Irrigated	State	275 bushel	\$13.00	76-Wheat-Winter	Dryland	Southwest	55 bushel	\$19.00
35-Corn	Irrigated	State	275 bushel	\$13.00	77-Wheat-Winter	Dryland	Panhandle	70 bushel	\$21.00
36-Corn	Irrigated	State	235 bushel	\$12.00	78-Wheat-Winter	Dryland	Panhandle	65 bushel	\$20.00
37-Corn	Irrigated	State	245 bushel	\$12.00	79-Wheat-Winter	Dryland	Panhandle	60 bushel	\$19.00
38-Corn	Irrigated	Panhandle	175 bushel	\$19.00	80-Wheat-Winter	Dryland	Southwest	80 bushel	\$27.00
39-Corn	Irrigated	Panhandle	185 bushel	\$20.00	81-Wheat-Winter	Irrigated	Panhandle	105 bu.	\$31.00
40-Corn	Irrigated	State	240 bushel	\$12.00	82-Wheat-Winter	Irrigated	Panhandle	90 bushel	\$29.00
41-Corn	Irrigated	State	28 ton	\$12.00	83-Cover Crop	Dryland	State	N/A	N/A
42-Dry Beans	Irrigated	Panhandle	27 cwt	\$30.00	84- Cover Crop Grazing	Dryland	State	N/A	N/A

Source: Crop insurance rates for various crops were provided by Nebraska Farm Business Inc. Due to price volatility, these rates may change when rates are updated in March 2023. Winter wheat premiums are actual (established fall, 2022). Premiums will vary statewide by location, yield, and coverage level. The estimates in this chart do not include hail insurance premium costs.

** Wheat – Spring #75 budget - Crop insurance is only available in Box Butte, Dawes, Sheridan counties for summer fallow spring wheat and may be available under written agreement.*

**2023 Budget 1-Alfalfa, Conventional Tillage, Fall Establishment
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3	Harrow	1		1.15	0.38	0.02	0.53	2.01	3.08	7.17	
4	Harrow	1		1.15	0.38	0.02	0.53	2.01	3.08	7.17	
5	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
6	Roll	1		2.08	2.00	0.05	0.37	4.02	3.34	11.86	
7	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
8	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations				12.21	9.63	0.42	8.96	29.09	19.08	79.39	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	100	pound	0.48	48.00	
Alfalfa w/Inoculant	Seed	5	100%	12	pound	6.25	75.00	
Brox 2EC	Herbicide	7	100%	1	pint	8.13	8.13	
Pursuit	Herbicide	7	100%	3	ounce	3.59	10.78	
Crop Oil Concentrate	Additive	7	100%	1.6	pint	1.50	2.40	
UAN	Additive	7	100%	2	pint	0.45	0.90	
Mustang Maxx	Insecticide	8	20%	3	ounce	1.72	1.03	
Total Materials & Services							146.24	

Total listed costs for Field Operations and Materials and Services							225.63	
Interest on Operations Capital \$ 177.46 cash expense @ 6.50% for 6.0 mo.							5.77	
Total Operating and Use Related Ownership Costs							231.40	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							0.00	
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%		0.00		
Real Estate Taxes		\$ -	per acre @	1.40%		0.00		
Total Cost per Acre Including Overhead							231.40	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 2-Alfalfa, Roundup Ready®, No Till, Fall Establishment
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Drill w/ Fertilizer	1		2.73	2.00	0.05	3.86	4.38	4.04	17.06	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations			4.82	2.77	0.09	6.30	7.59	8.48	30.05	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Gramoxone SL 2.0	Herbicide	1	100%	2	pint	5.38	10.75	
11-52-0	Fertilizer	2	100%	100	pound	0.48	48.00	
Alfalfa RR w/Inoculant	Seed	2	100%	12	pound	9.00	108.00	
Brox 2EC	Herbicide	3	100%	1	pint	8.13	8.13	
Roundup PowerMax 3	Herbicide	3	100%	32	ounce	0.43	13.75	
21-0-0-24S	Additive	3	100%	1.7	pound	0.45	0.77	
Mustang Maxx	Insecticide	4	20%	3	ounce	1.72	1.03	
Total Materials & Services						190.43		

Total listed costs for Field Operations and Materials and Services		220.48
Interest on Operations Capital \$ 204.41 cash expense @ 6.50% for 6.0 mo.		6.64
Total Operating and Use Related Ownership Costs		227.12
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		0.00
Real Estate Opportunity <input type="text" value="Fall Establishment"/> \$ - per acre @ 3.00%		0.00
Real Estate Taxes \$ - per acre @ 1.40%		0.00
Total Cost per Acre Including Overhead		227.12

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 3-Alfalfa, Roundup Ready®, Conventional Tillage, Fall Establishment
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3 Harrow	1		1.15	0.38	0.02	0.53	2.01	3.08	7.17	
4 Harrow	1		1.15	0.38	0.02	0.53	2.01	3.08	7.17	
5 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
6 Roll	1		2.08	2.00	0.05	0.37	4.02	3.34	11.86	
7 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
8 Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations			12.21	9.63	0.42	8.96	29.09	19.08	79.39	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
11-52-0	Fertilizer	1	100%	100	pound	0.48	48.00	
Alfalfa RR w/Inoculant	Seed	5	100%	12	pound	9.00	108.00	
Roundup PowerMax 3	Herbicide	7	100%	32	ounce	0.43	13.75	
Brox 2EC	Herbicide	7	100%	1	pint	8.13	8.13	
21-0-0-24S	Additive	7	100%	1.7	pound	0.45	0.77	
Mustang Maxx	Insecticide	8	20%	3	ounce	1.72	1.03	
Total Materials & Services						179.68		

Total listed costs for Field Operations and Materials and Services 259.07

Interest on Operations Capital \$ 210.90 cash expense @ 6.50% for 6.0 mo. 6.85

Total Operating and Use Related Ownership Costs 265.92

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 0.00

Real Estate Opportunity \$ - per acre @ 3.00% 0.00

Real Estate Taxes \$ - per acre @ 1.40% 0.00

Total Cost per Acre Including Overhead 265.92

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 4-Alfalfa, Small Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 2.8 ton Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Seeder/Packer	1		3.75	2.36	0.07	4.17	6.02	3.63	20.00	
5	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Swath/Condition Hay	2		5.00	4.40	1.93	1.71	7.08	12.18	32.30	
8	Turn Windrows	0.5		1.04	0.38	0.02	0.38	2.01	1.05	4.88	
9	Bale Small Square	2.8	ton	19.25	10.79	0.42	15.47	33.74	3.58	83.25	
10	Load Small Square	2.8	ton	7.00	2.47	0.17	0.53	13.50	0.76	24.43	
Total for Field Operations				43.50	27.92	3.05	26.18	88.00	30.81	219.46	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Seeder/Packer	Rental	4	100%	1 acre	20.00	20.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.25	75.00	
Mustang Maxx	Insecticide	5	20%	3 ounce	1.72	1.03	
Brox 2EC	Herbicide	6	100%	1 pint	8.13	8.13	
Pursuit	Herbicide	6	100%	3 ounce	3.59	10.78	
Twine Small Square	Other	9	100%	2.8 ton	15.67	43.87	
Total Materials & Services						206.81	

Total listed costs for Field Operations and Materials and Services						426.27	
Interest on Operations Capital	\$ 307.46	cash expense @	6.50%	for 6.0 mo.		9.99	
Total Operating and Use Related Ownership Costs						436.26	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	
Real Estate Opportunity^	Dryland (State)	\$ 3,900	per acre @	3.00%		117.00	
Real Estate Taxes		\$ 3,900	per acre @	1.40%		54.60	
Total Cost per Acre Including Overhead						632.86	
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.					141.80	
Cost of production per ton						226.02	

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 5-Alfalfa, Roundup Ready®, Small Square Bales, Conventional Tillage, Establish Spring Seed, 2.8 ton Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Seeder/Packer	1		3.75	2.36	0.07	4.17	6.02	3.63	20.00	
5	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Swath/Condition Hay	2		5.00	4.40	1.93	1.71	7.08	12.18	32.30	
8	Turn Windrows	0.5		1.04	0.38	0.02	0.38	2.01	1.05	4.88	
9	Bale Small Square	2.8	ton	19.25	10.79	0.42	15.47	33.74	3.58	83.25	
10	Load Small Square	2.8	ton	7.00	2.47	0.17	0.53	13.50	0.76	24.43	
Total for Field Operations				43.50	27.92	3.05	26.18	88.00	30.81	219.46	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Seeder/Packer	Rental	4	100%	1 acre		20.00	20.00	
Alfalfa RR w/Inoculant	Seed	4	100%	12 pound		9.00	108.00	
Mustang Maxx	Insecticide	5	20%	3 ounce		1.72	1.03	
Roundup PowerMax 3	Herbicide	6	100%	32 ounce		0.43	13.75	
21-0-0-24S	Additive	6	100%	1.70 pound		0.45	0.77	
Twine Small Square	Other	9	100%	2.80 ton		15.67	43.87	
Total Materials & Services							235.42	

Total listed costs for Field Operations and Materials and Services		454.88
Interest on Operations Capital \$ 336.07 cash expense @ 6.50% for 6.0 mo.		10.92
Total Operating and Use Related Ownership Costs		465.80
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Dryland (State) \$ 3,900 per acre @ 3.00%		117.00
Real Estate Taxes \$ 3,900 per acre @ 1.40%		54.60
Total Cost per Acre Including Overhead		662.40
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.		152.35
Cost of production per ton		236.57

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**2023 Budget 6-Alfalfa, Large Square Bales, Conventional Tillage, Establish Spring Seed with Herbicides, 3.8 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 12 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Seeder/Packer	1		3.75	2.36	0.07	4.17	6.02	3.63	20.00	
5	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6	Pivot D 125' Lift	10	ai	8.68	81.73	3.48	8.00	6.62	13.92	122.43	
7	Swath/Condition Hay	2		5.00	4.40	1.93	1.71	7.08	12.18	32.30	
8	Turn Windrows	0.5		1.04	0.38	0.02	0.38	2.01	1.05	4.88	
9	Bale Large Square	3.8	ton	6.15	6.09	0.13	2.85	10.77	30.66	56.65	
10	Load Large Square	3.8	ton	5.23	3.35	0.11	0.37	9.16	0.43	18.65	
11	Spray Insecticide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
Total for Field Operations				37.59	105.94	6.19	21.73	67.75	72.09	311.29	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Seeder/Packer	Rental	4	100%	1 acre	20.00	20.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.25	75.00	
Brox 2EC	Herbicide	5	100%	1 pint	8.13	8.13	
Pursuit	Herbicide	5	100%	3 ounce	3.59	10.78	
Twine Large Square	Other	9	100%	3.80 ton	1.81	6.86	
Mustang Maxx	Insecticide	11	50%	3 ounce	1.72	2.58	
Total Materials & Services						171.35	

Total listed costs for Field Operations and Materials and Services		482.64
Interest on Operations Capital \$ 342.80 cash expense @ 6.50% for 6.0 mo.		11.14
Total Operating and Use Related Ownership Costs		493.78
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ <input type="text" value="Pivot (State)"/> \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		858.90
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.		128.20
Cost of production per ton		226.03

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 7-Alfalfa, Roundup Ready®, Large Square Bales, Conventional Tillage, Establish Spring Seed, 4 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 12 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
3 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4 Seeder/Packer	1		3.75	2.36	0.07	4.17	6.02	3.63	20.00	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Pivot D 125' Lift	10	ai	8.68	81.73	3.48	8.00	6.62	13.92	122.43	
7 Swath/Condition Hay	2		5.00	4.40	1.93	1.71	7.08	12.18	32.30	
8 Turn Windrows	0.5		1.04	0.38	0.02	0.38	2.01	1.05	4.88	
9 Bale Large Square	4	ton	6.47	6.41	0.14	3.00	11.34	32.28	59.64	
10 Load Large Square	4	ton	5.50	3.52	0.12	0.39	9.64	0.45	19.62	
11 Spray Insecticide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
Total for Field Operations			38.18	106.43	6.21	21.90	68.80	73.73	315.25	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Seeder/Packer	Rental	4	100%	1 acre	20.00	20.00	
Alfalfa RR w/Inoculant	Seed	4	100%	12 pound	9.00	108.00	
Roundup PowerMax 3	Herbicide	5	100%	32 ounce	0.43	13.75	
Brox 2EC	Herbicide	5	100%	1 pint	8.13	8.13	
21-0-0-24S	Additive	5	100%	1.7 pound	0.45	0.77	
Twine Large Square	Other	9	100%	4 ton	1.81	7.22	
Mustang Maxx	Insecticide	11	50%	3 ounce	1.72	2.58	
Total Materials & Services						208.45	

Total listed costs for Field Operations and Materials and Services					523.70		
Interest on Operations Capital \$ 381.17	cash expense @	6.50%	for 6.0 mo.		12.39		
Total Operating and Use Related Ownership Costs					536.09		
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)					25.00		
Real Estate Opportunity^	Pivot (State)	\$ 7,730	per acre @	3.00%	231.90		
Real Estate Taxes		\$ 7,730	per acre @	1.40%	108.22		
Total Cost per Acre Including Overhead					901.21		
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.					131.69	
Cost of production per ton					225.30		

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 8-Alfalfa, Large Round Bales, Panhandle, Conventional Tillage, Fall Seeded with Subsequent Year Production, 2.5 ton Yield Gravity Irrigated, fed by canal, 18 acre/inches

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
3	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
4	Roll	1		2.08	2.00	0.05	0.37	4.02	3.34	11.86	
5	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
6	Corrugate	1		3.92	2.75	0.33	2.15	18.08	12.00	39.23	
7	Swath/Condition Hay	2		5.00	4.40	1.93	1.71	7.08	12.18	32.30	
8	Turn Windrows	0.5		1.04	0.38	0.02	0.38	2.01	1.05	4.88	
9	Bale Large Round	2.5	ton	5.73	2.64	0.12	4.97	10.04	6.63	30.13	
10	Move Large Round	2.5	ton	3.27	2.10	0.07	0.00	5.74	0.28	11.46	
11	Ditch Irrigation	18	ai	25.00	0.00	6.17	0.00	13.83	0.00	45.00	
12	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
Total for Field Operations				53.87	21.14	9.02	17.11	81.85	45.06	228.05	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	2	100%	100	pound	0.48	48.00	
Alfalfa w/Inoculant	Seed	3	100%	12	pound	6.25	75.00	
Oats	Seed	3	100%	0.5	bushel	11.00	5.50	
Mustang Maxx	Insecticide	5	20%	3	ounce	1.72	1.03	
Twine Large Round	Other	9	100%	2.5	ton	1.95	4.87	
Irrigation District O&M Charge	Other	11	100%	1	acre	35.00	35.00	
Brox 2EC	Herbicide	12	100%	1	pint	8.13	8.13	
Raptor	Herbicide	12	100%	4	ounce	4.69	18.75	
Crop Oil Concentrate	Additive	12	100%	1.6	pint	1.50	2.40	
UAN	Additive	12	100%	2	pint	0.45	0.90	
Total Materials & Services							199.58	

Total listed costs for Field Operations and Materials and Services							427.63		
Interest on Operations Capital \$ 300.72	cash expense @		6.50%	for 6.0 mo.			9.77		
Total Operating and Use Related Ownership Costs							437.40		
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							25.00		
Real Estate Opportunity^	Gravity (Panhandle)	\$ 3,370	per acre @		3.00%		101.10		
Real Estate Taxes		\$ 3,370	per acre @		1.40%		47.18		
Total Cost per Acre Including Overhead							610.68		
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.							153.07	
Cost of production per ton							244.27		

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 9-Alfalfa, Large Round Bales, 4.4 ton Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2 Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3 Turn Windrows	1		2.08	0.77	0.05	0.77	4.02	2.09	9.78	
4 Double Windrows	3		4.13	1.39	0.09	0.33	7.23	2.24	15.41	
5 Bale Large Round	4.4	ton	10.08	4.64	0.22	8.74	17.67	11.67	53.02	
6 Move Large Round	4.4	ton	5.76	3.69	0.12	0.00	10.10	0.49	20.16	
7 Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations			34.21	20.71	4.38	13.48	57.27	43.73	173.78	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Round	Other	5	100%	4.4 ton	1.95	8.58	
Mustang Maxx	Insecticide	7	20%	3 ounce	1.72	1.03	
Total Materials & Services						33.61	

Total listed costs for Field Operations and Materials and Services						207.39	
Interest on Operations Capital \$ 106.39 cash expense @ 6.50% for 6.0 mo.						3.46	
Total Operating and Use Related Ownership Costs						210.85	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%						117.00	
Real Estate Taxes \$ 3,900 per acre @ 1.40%						54.60	
Total Cost per Acre Including Overhead						407.45	
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.						43.06	
Cost of production per ton						92.60	

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**2023 Budget 10-Alfalfa, Large and Small Square Bales, 6.7 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2 Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3 Turn Windrows	1		2.08	0.77	0.05	0.77	4.02	2.09	9.78	
4 Double Windrows	4		5.50	1.86	0.12	0.44	9.64	2.99	20.55	
5 Bale Large Square	4.5	ton	7.23	7.16	0.16	3.35	12.66	36.04	66.60	
6 Load Large Square		Custom ton								
7 Bale Small Square	2.2	ton	15.35	8.61	0.33	12.34	26.91	2.85	66.39	
8 Load Small Square	2.2	ton	5.58	1.97	0.13	0.42	10.76	0.60	19.46	
9 Pivot E 125' Lift	16	ai	13.89	45.61	7.02	8.00	12.30	22.27	109.09	
10 Spray Herbicide	0.25		0.24	0.09	0.00	0.28	0.37	0.50	1.48	
11 Spray Insecticide	0.20		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations			62.03	76.29	11.71	29.24	94.91	94.58	368.76	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							11-52-0
Twine Large Square	Other	5	100%	4 ton	1.81	7.22	
Load Large Square Bales	Custom	6	100%	4.467 ton	3.30	14.76	
Twine Small Square	Other	7	100%	2.233 ton	15.67	34.99	
Electricity Fixed	Other	9	100%	1 acre	40.00	40.00	
Chateau SW	Herbicide	10	25%	4 ounce	5.00	5.00	
Brox 2EC	Herbicide	10	25%	1 pint	8.13	2.03	
Pursuit	Herbicide	10	25%	3 ounce	3.59	2.70	
Crop Oil Concentrate	Additive	10	25%	1.6 pint	1.50	0.60	
UAN	Additive	10	25%	2 pint	0.45	0.23	
Mustang Maxx	Insecticide	11	20%	3 ounce	1.72	1.03	
Total Materials & Services					144.56		

Total listed costs for Field Operations and Materials and Services		513.32
Interest on Operations Capital \$ 323.83 cash expense @ 6.50% for 6.0 mo.		10.52
Total Operating and Use Related Ownership Costs		523.84
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ <input type="text" value="Pivot (State)"/> \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		888.96
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.		69.79
Cost of production per ton		132.68

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**2023 Budget 11-Alfalfa, Roundup Ready®, Large and Small Square Bales, 6.8 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3	Turn Windrows	1		2.08	0.77	0.05	0.77	4.02	2.09	9.78	
4	Double Windrows	4		5.50	1.86	0.12	0.44	9.64	2.99	20.55	
5	Bale Large Square	4.5	ton	7.33	7.27	0.16	3.40	12.85	36.58	67.59	
6	Load Large Square		Custom ton								
7	Bale Small Square	2.3	ton	15.58	8.74	0.34	12.52	27.31	2.90	67.39	
8	Load Small Square	2.3	ton	5.67	2.00	0.13	0.43	10.92	0.61	19.76	
9	Pivot E 125' Lift	16	ai	13.89	45.61	7.02	8.00	12.30	22.27	109.09	
10	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
11	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations				63.16	76.82	11.74	30.31	96.75	96.70	375.48	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Twine Large Square	Other	5	100%	4.53 ton	1.81	8.19	
Load Large Square Bales	Custom	6	100%	4.53 ton	3.30	14.98	
Twine Small Square	Other	7	100%	2.27 ton	15.67	35.51	
Electricity Fixed	Other	9	100%	1 acre	40.00	40.00	
Brox 2EC	Herbicide	10	100%	1 pint	8.13	8.13	
Roundup PowerMax 3	Herbicide	10	100%	32 ounce	0.43	13.75	
21-0-0-24S	Additive	10	100%	1.7 pound	0.45	0.77	
Mustang Maxx	Insecticide	11	20%	3 ounce	1.72	1.03	
Total Materials & Services						160.76	

Total listed costs for Field Operations and Materials and Services						536.24	
Interest on Operations Capital	\$ 342.79	cash expense @	6.50%	for 6.0 mo.		11.14	
Total Operating and Use Related Ownership Costs						547.38	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	
Real Estate Opportunity^	Pivot (State)	\$ 7,730	per acre @	3.00%		231.90	
Real Estate Taxes		\$ 7,730	per acre @	1.40%		108.22	
Total Cost per Acre Including Overhead						912.50	
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.					71.64	
Cost of production per ton						134.19	

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**2023 Budget 12-Alfalfa, Panhandle, Large and Small Square Bales, 6.6 ton Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 16 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3	Bale Large Square	4.4	ton	7.12	7.05	0.15	3.30	12.47	35.51	65.60	
4	Load Large Square		Custom ton								
5	Bale Small Square	2.2	ton	15.13	8.48	0.33	12.15	26.51	2.81	65.41	
6	Load Small Square	2.2	ton	5.50	1.94	0.13	0.41	10.60	0.59	19.17	
7	Pivot E 125' Lift	16	ai	13.89	45.61	7.02	8.00	12.30	22.27	109.09	
8	Spray Herbicide	0.25		0.24	0.09	0.00	0.28	0.37	0.50	1.48	
9	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations				54.04	73.39	11.53	27.78	80.50	88.92	336.16	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Twine Large Square	Other	3	100%	4.4 ton	1.81	7.95	
Load Large Square Bales	Custom	4	100%	4.4 ton	3.30	14.54	
Twine Small Square	Other	5	100%	2.2 ton	15.67	34.47	
Electricity Fixed	Other	7	100%	1 acre	40.00	40.00	
Velpar L	Herbicide	8	25%	3 pint	14.38	10.78	
Mustang Maxx	Insecticide	9	20%	3 ounce	1.72	1.03	
Total Materials & Services						144.77	

Total listed costs for Field Operations and Materials and Services						480.93	
Interest on Operations Capital	\$ 311.51	cash expense @	6.50%	for 6.0 mo.		10.12	
Total Operating and Use Related Ownership Costs						491.05	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	
Real Estate Opportunity^	Pivot (Panhandle)	\$ 3,710	per acre @	3.00%		111.30	
Real Estate Taxes		\$ 3,710	per acre @	1.40%		51.94	
Total Cost per Acre Including Overhead						679.29	
Cash Cost per ton						60.39	
Cost of production per ton						102.92	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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**2023 Budget 13-Alfalfa, Large Square Bales, 6.6 ton Yield
Gravity Irrigated, fed by canal, 22 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3	Turn Windrows	1		2.08	0.77	0.05	0.77	4.02	2.09	9.78	
4	Double Windrows	4		5.50	1.86	0.12	0.44	9.64	2.99	20.55	
5	Bale Large Square	6.6		10.68	10.58	0.23	4.95	18.71	53.26	98.41	
6	Load Large Square	Custom									
7	Corrugate	1		3.92	2.75	0.33	2.15	18.08	12.00	39.23	
8	Ditch Irrigation	22	ai	30.56						30.56	
9	Spray Herbicide	0.25		0.24	0.09	0.00	0.28	0.37	0.50	1.48	
10	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations				65.14	26.27	4.63	12.23	69.07	98.08	275.42	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	75	pound	0.48	36.00	
Twine Large Square	Other	5	100%	6.6	ton	1.81	11.92	
Load Large Square Bales	Custom	6	100%	6.6	ton	3.30	21.81	
Irrigation District O&M Charge	Other	8	100%	1	acre	35.00	35.00	
Brox 2EC	Herbicide	9	25%	1	pint	8.13	2.03	
Pursuit	Herbicide	9	25%	3	ounce	3.59	2.70	
Crop Oil Concentrate	Additive	9	25%	1.6	pint	1.50	0.60	
UAN	Additive	9	25%	2	pint	0.45	0.23	
Mustang Maxx	Insecticide	10	20%	3	ounce	1.72	1.03	
	Crop Insurance					N/A	0.00	
Total Materials & Services							111.32	

Total listed costs for Field Operations and Materials and Services						386.74
Interest on Operations Capital	\$ 219.59	cash expense @	6.50%	for 6.0 mo.		7.14
Total Operating and Use Related Ownership Costs						393.88
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00
Real Estate Opportunity^	Gravity (State)	\$ 7,055	per acre @	3.00%		211.65
Real Estate Taxes		\$ 7,055	per acre @	1.40%		98.77
Total Cost per Acre Including Overhead						729.30
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.					53.11
Cost of production per ton						110.50

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 14-Alfalfa, Roundup Ready®, Large Square Bales, 6.8 ton Yield
Gravity Irrigated, fed by canal, 14 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
2	Swath/Condition Hay	4		10.00	8.81	3.85	3.42	14.16	24.36	64.60	
3	Turn Windrows	1		2.08	0.77	0.05	0.77	4.02	2.09	9.78	
4	Double Windrows	4		5.50	1.86	0.12	0.44	9.64	2.99	20.55	
5	Bale Large Square	6.8		11.00	10.90	0.24	5.10	19.28	54.87	101.39	
6	Load Large Square	Custom									
7	Corrugate	1		3.92	2.75	0.33	2.15	18.08	12.00	39.23	
8	Ditch Irrigation	14	ai	19.44						19.44	
9	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
10	Spray Insecticide	0.2		0.19	0.07	0.00	0.22	0.29	0.40	1.17	
Total for Field Operations				55.05	26.85	4.66	13.21	70.73	101.21	271.71	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
11-52-0	Fertilizer	1	100%	80	pound	0.48	38.40	
Twine Large Square	Other	5	100%	6.8	ton	1.81	12.28	
Load Large Square Bales	Custom	6	100%	6.8	ton	3.30	22.47	
Irrigation District O&M Charge	Other	8	100%	1	acre	35.00	35.00	
Raptor	Herbicide	9	100%	4	ounce	4.69	18.75	
Brox 2EC	Herbicide	9	100%	1	pint	8.13	8.13	
Roundup PowerMax 3	Herbicide	9	100%	32	ounce	0.43	13.75	
21-0-0-24S	Additive	9	100%	1.7	pound	0.45	0.77	
Mustang Maxx	Insecticide	10	20%	3	ounce	1.72	1.03	
	Crop Insurance					N/A	0.00	
Total Materials & Services							150.58	

Total listed costs for Field Operations and Materials and Services		422.29
Interest on Operations Capital \$ 250.35 cash expense @ 6.50% for 6.0 mo.		8.14
Total Operating and Use Related Ownership Costs		430.43
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Gravity (State)	\$ 7,055 per acre @ 3.00%	211.65
Real Estate Taxes	\$ 7,055 per acre @ 1.40%	98.77
Total Cost per Acre Including Overhead		765.85
Cash Cost per ton	<i>^Ownership and RE Opportunity not included in cash costs.</i>	56.21
Cost of production per ton		112.62

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 15-Corn, Conventional Tillage, Continuous, 100 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
7 Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
8 Spray Herbicide	Custom									
9 Spray Insecticide	Custom									
10 Combine Dryland Corn	100		2.12	3.56	2.87	0.51	15.98	5.95	30.97	
11 Cart	100	bu	0.83	0.40	0.02	0.80	1.46	1.59	5.10	
12 Truck	Custom									
13 Dry Grain	Custom									
Total for Field Operations			16.21	13.99	3.56	13.67	57.76	31.59	136.76	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
82-0-0	Fertilizer	2	100%	90 lbs N		0.85	76.50	
Corn	Seed	4	100%	13.9 k seed		3.13	43.44	
Capture LFR	Insecticide	4	100%	6.6 ounce		2.97	19.59	
10-34-0	Fertilizer	4	100%	6 gallon		4.20	25.20	
Balance Flexx	Herbicide	5	100%	4 ounce		5.40	21.60	
Atrazine 90 DF	Herbicide	5	100%	1.6 pound		5.00	8.00	
Spray	Custom	8	50%	1 acre		8.50	4.25	
Armezon Pro	Herbicide	8	50%	14 ounce		1.41	9.84	
NIS	Additive	8	50%	6 ounce		0.20	0.61	
UAN	Additive	8	50%	2 pint		0.45	0.45	
Spray	Custom	9	30%	1 acre		8.50	2.55	
Brigade 2EC	Insecticide	9	10%	5.12 ounce		1.41	0.72	
Mustang Maxx	Insecticide	9	20%	2 ounce		1.72	0.69	
Haul Grain Bushels	Custom	12	100%	100 bushel		0.13	13.00	
Dry 2 Points Removed	Custom	13	10%	100 bushel		0.08	0.80	
Scouting Dryland Corn	Scouting		100%	1 acre		8.00	8.00	
	Crop Insurance					33.00	33.00	
Total Materials & Services							268.24	

Total listed costs for Field Operations and Materials and Services		405.00
Interest on Operations Capital \$ 315.66 cash expense @ 6.50% for 6.0 mo.		10.26
Total Operating and Use Related Ownership Costs		415.26

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Dryland (State) \$ 3,900 per acre @ 3.00%		117.00
Real Estate Taxes \$ 3,900 per acre @ 1.40%		54.60
Total Cost per Acre Including Overhead		616.86

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	4.11
Cost of production per bushel		6.17

Use the UNL Ag Budget Calculator program to customize crop budgets at: aqbudget.unl.edu

2023 Budget 16-Corn, Conventional Tillage, in Corn/Soybean Rotation, Conventional Seed (Non Bt), 110 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
6	Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
7	Spray Herbicide	Custom									
8	Spray Insecticide	Custom									
9	Combine Dryland Corn	110		2.33	3.91	3.16	0.56	17.57	6.54	34.07	
10	Cart	110	bu	0.92	0.44	0.02	0.88	1.61	1.75	5.62	
11	Truck	Custom									
12	Dry Grain	Custom									
Total for Field Operations				13.99	11.03	3.64	12.80	47.86	29.43	118.75	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
82-0-0	Fertilizer	1	100%	55 lbs N		0.85	46.75	
Corn	Seed	3	100%	15.3 k seed		3.13	47.81	
10-34-0	Fertilizer	3	100%	6 gallon		4.20	25.20	
Lumax EZ	Herbicide	4	100%	2.7 quart		17.75	47.93	
Spray	Custom	7	50%	1 acre		8.50	4.25	
Laudis	Herbicide	7	50%	3 ounce		5.16	7.73	
MSO	Additive	7	50%	19.2 ounce		0.17	1.65	
UAN	Additive	7	50%	2 pint		0.45	0.45	
Spray	Custom	8	30%	1 acre		8.50	2.55	
Brigade 2EC	Insecticide	8	10%	5.12 ounce		1.41	0.72	
Mustang Maxx	Insecticide	8	20%	2 ounce		1.72	0.69	
Haul Grain Bushels	Custom	11	100%	110 bushel		0.13	14.30	
Dry 2 Points Removed	Custom	12	10%	110 bushel		0.08	0.88	
Scouting Dryland Corn	Scouting		100%	1 acre		8.00	8.00	
	Crop Insurance					33.00	33.00	
Total Materials & Services							241.91	

Total listed costs for Field Operations and Materials and Services							360.66	
Interest on Operations Capital \$ 283.37 cash expense @ 6.50% for 6.0 mo.							9.21	
Total Operating and Use Related Ownership Costs							369.87	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00	
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%							117.00	
Real Estate Taxes \$ 3,900 per acre @ 1.40%							54.60	
Total Cost per Acre Including Overhead							571.47	
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.							3.43	
Cost of production per bushel							5.20	

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 17-Corn, Eastern Nebraska, Conventional Tillage, Continuous, 160 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6	Spray Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
7	Spray Insecticide	Custom									
8	Combine Dryland Corn	160		3.38	5.69	4.60	0.81	25.56	9.52	49.56	
9	Cart	160	bu	1.33	0.64	0.03	1.28	2.34	2.55	8.17	
10	Truck	Custom									
11	Dry Grain	Custom									
Total for Field Operations				15.31	14.79	5.25	13.66	63.47	32.57	145.05	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								82-0-0
Corn	Seed	4	100%	22.2 k seed	3.13	69.38		
Capture LFR	Insecticide	4	100%	6.6 ounce	2.97	19.59		
10-34-0	Fertilizer	4	100%	6 gallon	4.20	25.20		
Acuron	Herbicide	5	100%	2.5 quart	21.25	53.13		
Status	Herbicide	6	50%	5 ounce	5.00	12.50		
NIS	Additive	6	50%	6 ounce	0.20	0.61		
UAN	Additive	6	50%	2 pint	0.45	0.45		
Spray	Custom	7	30%	1 acre	8.50	2.55		
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.41	0.72		
Mustang Maxx	Insecticide	7	20%	2 ounce	1.72	0.69		
Haul Grain Bushels	Custom	10	100%	160 bushel	0.13	20.80		
Dry 2 Points Removed	Custom	11	20%	160 bushel	0.08	2.56		
Scouting Dryland Corn	Scouting		100%	1 acre	8.00	8.00		
	Crop Insurance				8.00	8.00		
Total Materials & Services							347.43	

Total listed costs for Field Operations and Materials and Services		492.48
Interest on Operations Capital \$ 396.44	cash expense @ 6.50% for 6.0 mo.	12.88
Total Operating and Use Related Ownership Costs		505.36
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (Eastern) \$ 7,525 per acre @ 3.00%	225.75
Real Estate Taxes	\$ 7,525 per acre @ 1.40%	105.35
Total Cost per Acre Including Overhead		866.46
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	3.40
Cost of production per bushel		5.42

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 18-Corn, Eastern Nebraska, Conventional Tillage, in Corn/Soybean Rotation, 170 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
2 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Spray Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
6 Spray Insecticide	Custom									
7 Combine Dryland Corn	170		3.60	6.05	4.88	0.86	27.16	10.11	52.66	
8 Cart	170	bu	1.42	0.68	0.03	1.36	2.48	2.71	8.68	
9 Truck	Custom									
10 Dry Grain	Custom									
Total for Field Operations			13.10	11.84	5.32	12.79	53.57	30.41	127.03	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
82-0-0	Fertilizer	1	100%	115 lbs N		0.85	97.75	
Corn	Seed	3	100%	23.6 k seed		3.13	73.75	
10-34-0	Fertilizer	3	100%	6 gallon		4.20	25.20	
Acuron	Herbicide	4	100%	2.5 quart		21.25	53.13	
Armezon Pro	Herbicide	5	50%	14 ounce		1.41	9.84	
NIS	Additive	5	50%	6 ounce		0.20	0.61	
UAN	Additive	5	50%	2 pint		0.45	0.45	
Spray	Custom	6	30%	1 acre		8.50	2.55	
Brigade 2EC	Insecticide	6	10%	5.12 ounce		1.41	0.72	
Mustang Maxx	Insecticide	6	20%	2 ounce		1.72	0.69	
Haul Grain Bushels	Custom	9	100%	170 bushel		0.13	22.10	
Dry 2 Points Removed	Custom	10	20%	170 bushel		0.08	2.72	
Scouting Dryland Corn	Scouting		100%	1 acre		8.00	8.00	
	Crop Insurance					8.00	8.00	
Total Materials & Services							305.51	

Total listed costs for Field Operations and Materials and Services							432.54	
Interest on Operations Capital	\$ 348.56	cash expense @	6.50%	for 6.0 mo.			11.33	
Total Operating and Use Related Ownership Costs							443.87	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00	
Real Estate Opportunity^	Dryland (Eastern)	\$ 7,525	per acre @	3.00%			225.75	
Real Estate Taxes		\$ 7,525	per acre @	1.40%			105.35	
Total Cost per Acre Including Overhead							804.97	
Cash Cost per bushel							2.91	
Cost of production per bushel							4.74	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 19-Corn, Bt, ECB, RR2, LL, & RIB, No Till, Continuous, 135 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Spray Insecticide	Custom									
6 Combine Dryland Corn	135		2.86	4.80	3.88	0.68	21.57	8.03	41.82	
7 Cart	135	bu	1.13	0.54	0.02	1.08	1.97	2.15	6.89	
8 Truck	Custom									
9 Dry Grain	Custom									
Total for Field Operations			9.36	7.71	4.01	9.64	32.01	26.48	89.21	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00		
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13		
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38		
32-0-0	Fertilizer	2	100%	120	lbs N	1.00	120.00		
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13		
Corn Bt, ECB, RW, RR2, LL, & RIB	Seed	3	100%	18.7	k seed	3.88	72.46		
10-34-0-12Zn	Fertilizer	3	100%	6	gallon	4.30	25.80		
Glyphosate 5# w/Surfactant	Herbicide	4	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	4	100%	1.7	pound	0.45	0.77		
Laudis	Herbicide	4	80%	3	ounce	5.16	12.38		
Spray	Custom	5	30%	1	acre	8.50	2.55		
* Brigade 2EC	Insecticide	5	10%	5.12	ounce	1.41	0.72		
* Mustang Maxx	Insecticide	5	20%	2	ounce	1.72	0.69		
Haul Grain Bushels	Custom	8	100%	135	bushel	0.13	17.55		
Dry 2 Points Removed	Custom	9	10%	135	bushel	0.08	1.08		
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00		
	Crop Insurance					36.00	36.00		
Total Materials & Services								368.64	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services 457.85

Interest on Operations Capital \$ 399.36 cash expense @ 6.50% for 6.0 mo. 12.98

Total Operating and Use Related Ownership Costs 470.83

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Dryland (State) \$ 3,900 per acre @ 3.00% 117.00

Real Estate Taxes \$ 3,900 per acre @ 1.40% 54.60

Total Cost per Acre Including Overhead 672.43

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs. 3.68

Cost of production per bushel 4.98

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 20-Corn, Bt, ECB, RR2, LL, & RIB, Eastern Nebraska, No Till, Continuous, 180 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Spray Insecticide	Custom									
6 Combine Dryland Corn	180		3.81	6.40	5.17	0.91	28.76	10.70	55.75	
7 Cart	180	bu	1.50	0.72	0.03	1.44	2.63	2.87	9.19	
8 Truck	Custom									
9 Dry Grain	Custom									
Total for Field Operations			10.68	9.49	5.31	10.23	39.86	29.87	105.44	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.31	5.00		
2,4-D Ester LV4	Herbicide	1	50%	1 pint	4.25	2.13		
21-0-0-24S	Additive	1	50%	1.7 pound	0.45	0.38		
32-0-0	Fertilizer	2	100%	160 lbs N	1.00	160.00		
Acuron	Herbicide	2	100%	2.5 quart	21.25	53.13		
Corn Bt, ECB, RW, RR2, LL, & RIB	Seed	3	100%	25.0 k seed	3.88	96.88		
10-34-0-1Zn	Fertilizer	3	100%	6 gallon	4.30	25.80		
Glyphosate 5# w/Surfactant	Herbicide	4	100%	32 ounce	0.31	10.00		
21-0-0-24S	Additive	4	100%	1.7 pound	0.45	0.77		
Status	Herbicide	4	80%	5 ounce	5.00	20.00		
Spray	Custom	5	30%	1 acre	8.50	2.55		
* Brigade 2EC	Insecticide	5	10%	5.12 ounce	1.41	0.72		
* Mustang Maxx	Insecticide	5	20%	2 ounce	1.72	0.69		
Haul Grain Bushels	Custom	8	100%	180 bushel	0.13	23.40		
Dry 2 Points Removed	Custom	9	20%	180 bushel	0.08	2.88		
Scouting Dryland Corn	Scouting		100%	1 acre	8.00	8.00		
	Crop Insurance				8.00	8.00		
Total Materials & Services							420.33	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services 525.77

Interest on Operations Capital \$ 456.04 cash expense @ 6.50% for 6.0 mo. 14.82

Total Operating and Use Related Ownership Costs 540.59

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Dryland (Eastern) \$ 7,525 per acre @ 3.00% 225.75

Real Estate Taxes \$ 7,525 per acre @ 1.40% 105.35

Total Cost per Acre Including Overhead 901.69

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs. 3.37

Cost of production per bushel 5.01

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 21-Corn, SmartStax RIB Complete, No Till, Continuous, 140 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Spray Insecticide	Custom									
6 Combine Dryland Corn	140		2.96	4.98	4.02	0.71	22.37	8.33	43.36	
7 Cart	140	bu	1.17	0.56	0.03	1.12	2.04	2.23	7.15	
8 Truck	Custom									
9 Dry Grain	Custom									
Total for Field Operations			9.50	7.91	4.16	9.71	32.88	26.86	91.01	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
32-0-0	Fertilizer	2	100%	125	lbs N	1.00	125.00	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Corn SmartStax RIB Complete	Seed	3	100%	19.4	k seed	4.00	77.60	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Glyphosate 5# w/Surfactant	Herbicide	4	100%	32	ounce	0.31	10.00	
21-0-0-24S	Additive	4	100%	1.7	pound	0.45	0.77	
Armezon Pro	Herbicide	4	80%	14	ounce	1.41	15.75	
Spray	Custom	5	10%	1	acre	8.50	0.85	
Brigade 2EC	Insecticide	5	10%	5.12	ounce	1.41	0.72	
Haul Grain Bushels	Custom	8	100%	140	bushel	0.13	18.20	
Dry 2 Points Removed	Custom	9	10%	140	bushel	0.08	1.12	
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					36.00	36.00	
Total Materials & Services							379.85	

Total listed costs for Field Operations and Materials and Services		470.86
Interest on Operations Capital \$ 411.13 cash expense @ 6.50% for 6.0 mo.		13.36
Total Operating and Use Related Ownership Costs		484.22
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%		117.00
Real Estate Taxes \$ 3,900 per acre @ 1.40%		54.60
Total Cost per Acre Including Overhead		685.82
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		3.64
Cost of production per bushel		4.90

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 22-Corn, SmartStax RIB Complete, Eastern Nebraska, No Till, Continuous, 185 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Spray Insecticide	Custom									
6 Combine Dryland Corn	185		3.91	6.58	5.31	0.94	29.56	11.00	57.30	
7 Cart	185	bu	1.54	0.74	0.03	1.48	2.70	2.95	9.44	
8 Truck	Custom									
9 Dry Grain	Custom									
Total for Field Operations			10.82	9.69	5.45	10.30	40.73	30.25	107.24	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
32-0-0	Fertilizer	2	100%	170	lbs N	1.00	170.00	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Corn SmartStax RIB Complete	Seed	3	100%	25.7	k seed	4.00	102.80	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Glyphosate 5# w/Surfactant	Herbicide	4	100%	32	ounce	0.31	10.00	
21-0-0-24S	Additive	4	100%	1.7	pound	0.45	0.77	
Laudis	Herbicide	4	80%	3	ounce	5.16	12.38	
Spray	Custom	5	10%	1	acre	8.50	0.85	
Brigade 2EC	Insecticide	5	10%	5.12	ounce	1.41	0.72	
Haul Grain Bushels	Custom	8	100%	185	bushel	0.13	24.05	
Dry 2 Points Removed	Custom	9	20%	185	bushel	0.08	2.96	
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					8.00	8.00	
Total Materials & Services							426.37	

Total listed costs for Field Operations and Materials and Services		533.61
Interest on Operations Capital \$ 462.63	cash expense @ 6.50% for 6.0 mo.	15.04
Total Operating and Use Related Ownership Costs		548.65
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (Eastern) \$ 7,525	per acre @ 3.00%
Real Estate Taxes	\$ 7,525	per acre @ 1.40%
Total Cost per Acre Including Overhead		909.75
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.31
Cost of production per bushel		4.92

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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**2023 Budget 23-Corn, Bt, ECB, & RIB, No Till, after Beans, 145 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3	Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6	Spray Insecticide	Custom									
7	Combine Dryland Corn	145		3.07	5.16	4.16	0.73	23.17	8.62	44.91	
8	Cart	145	bu	1.21	0.58	0.03	1.16	2.12	2.31	7.41	
9	Truck	Custom									
10	Dry Grain	Custom									
Total for Field Operations				10.41	8.39	4.31	10.66	34.93	28.84	97.54	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1.0	pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
32-0-0	Fertilizer	2	100%	85	lbs N	1.00	85.00	
Corn Bt, ECB, & RIB	Seed	3	100%	20.1	k seed	3.50	70.35	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Acuron	Herbicide	4	100%	2.5	quart	21.25	53.13	
Crop Oil Concentrate	Additive	4	100%	1.6	pint	1.50	2.40	
21-0-0-24S	Additive	4	100%	2.5	pound	0.45	1.13	
Status	Herbicide	5	80%	5	ounce	5.00	20.00	
Roundup PowerMax 3	Herbicide	5	80%	32	ounce	0.43	11.00	
Crop Oil Concentrate	Additive	5	80%	1	pint	1.50	1.20	
UAN	Additive	5	80%	3	pint	0.45	1.08	
Spray	Custom	6	20%	1	acre	8.50	1.70	
* Brigade 2EC	Insecticide	6	10%	5.12	ounce	1.41	0.72	
* Mustang Maxx	Insecticide	6	10%	2	ounce	1.72	0.34	
Haul Grain Bushels	Custom	9	100%	145	bushel	0.13	18.85	
Dry 2 Points Removed	Custom	10	20%	145	bushel	0.08	2.32	
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					38.00	38.00	
Total Materials & Services							347.93	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		445.47
Interest on Operations Capital \$ 381.70	cash expense @ 6.50% for 6.0 mo.	12.41
Total Operating and Use Related Ownership Costs		457.88

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (State) \$ 3,900 per acre @ 3.00%	117.00
Real Estate Taxes	\$ 3,900 per acre @ 1.40%	54.60
Total Cost per Acre Including Overhead		659.48

Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	3.30
Cost of production per bushel		4.55

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 24-Corn, Bt, ECB, & RIB, Eastern Nebraska, No Till, after Beans, 195 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3	Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6	Spray Insecticide	Custom									
7	Combine Dryland Corn	195		4.13	6.94	5.60	0.99	31.15	11.60	60.40	
8	Cart	195	bu	1.63	0.78	0.04	1.56	2.85	3.10	9.96	
9	Truck	Custom									
10	Dry Grain	Custom									
Total for Field Operations				11.89	10.37	5.76	11.32	43.64	32.61	115.58	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1.0	pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
32-0-0	Fertilizer	2	100%	130	lbs N	1.00	130.00	
Corn Bt, ECB, & RIB	Seed	3	100%	27.1	k seed	3.50	94.85	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Acuron	Herbicide	4	100%	2.5	quart	21.25	53.13	
Crop Oil Concentrate	Additive	4	100%	1.6	pint	1.50	2.40	
21-0-0-24S	Additive	4	100%	2.5	pound	0.45	1.13	
Armezon Pro	Herbicide	5	80%	14	ounce	1.41	15.75	
Atrazine 90 DF	Herbicide	5	80%	0.5	pound	5.00	2.00	
Crop Oil Concentrate	Additive	5	80%	1	pint	1.50	1.20	
UAN	Additive	5	80%	3	pint	0.45	1.08	
Spray	Custom	6	20%	1	acre	8.50	1.70	
* Brigade 2EC	Insecticide	6	10%	5.12	ounce	1.41	0.72	
* Mustang Maxx	Insecticide	6	10%	2	ounce	1.72	0.34	
Haul Grain Bushels	Custom	9	100%	195	bushel	0.13	25.35	
Dry 2 Points Removed	Custom	10	20%	195	bushel	0.08	3.12	
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					9.00	9.00	
Total Materials & Services							382.48	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		498.06
Interest on Operations Capital \$ 421.81	cash expense @ 6.50% for 6.0 mo.	13.71
Total Operating and Use Related Ownership Costs		511.77

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (Eastern) \$ 7,525 per acre @ 3.00%	225.75
Real Estate Taxes	\$ 7,525 per acre @ 1.40%	105.35
Total Cost per Acre Including Overhead		872.87

Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	2.93
Cost of production per bushel		4.48

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 25-Corn, Bt, ECB, RR2, LL, & RIB, Southwest, Ecofallow, Follows Wheat, Two Crops in Three Years, 130 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray (Prior Year Stubble)	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray (Prior Year Stubble)	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Spray Insecticide	Custom									
7 Combine Dryland Corn	130		2.75	4.62	3.73	0.66	20.77	7.73	40.27	
8 Cart	130	bu	1.08	0.52	0.02	1.04	1.90	2.07	6.63	
9 Truck	Custom									
10 Dry Grain	Custom									
Total for Field Operations			10.63	7.74	3.89	11.25	33.33	29.13	95.98	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77		
Rugged	Herbicide	1	100%	1	quart	11.00	11.00		
AAtrex 4L	Herbicide	2	100%	1.5	quart	5.50	8.25		
Glyphosate 5# w/Surfactant	Herbicide	2	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	2	100%	1.7	pound	0.45	0.77		
32-0-0	Fertilizer	3	100%	120	lbs N	1.00	120.00		
AAtrex 4L	Herbicide	3	100%	0.5	quart	5.50	2.75		
Balance Flexx	Herbicide	3	100%	4	ounce	5.40	21.60		
10-34-0	Fertilizer	4	100%	6	gallon	4.20	25.20		
Corn Bt, ECB, RR2, LL, & RIB	Seed	4	100%	18.0	k seed	3.50	63.00		
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	5	100%	1.7	pound	0.45	0.77		
Laudis	Herbicide	5	80%	3	ounce	5.16	12.38		
Spray	Custom	6	30%	1	acre	8.50	2.55		
* Brigade 2EC	Insecticide	6	10%	5.12	ounce	1.41	0.72		
* Mustang Maxx	Insecticide	6	20%	2	ounce	1.72	0.69		
Haul Grain Bushels	Custom	9	100%	130	bushel	0.13	16.90		
Dry 2 Points Removed	Custom	10	10%	130	bushel	0.08	1.04		
Scouting Dryland Corn	Scouting		100%	1	acre	8.00	8.00		
Crop Insurance							33.00	33.00	
Total Materials & Services								359.39	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		455.37
Interest on Operations Capital \$ 392.91	cash expense @ 6.50% for 6.0 mo.	12.77
Total Operating and Use Related Ownership Costs		468.14

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (Southwest)	\$ 46.80
Real Estate Taxes		\$ 21.84
Total Cost per Acre Including Overhead		566.78

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.52
Cost of production per bushel		4.36

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**2023 Budget 26-Corn, Bt, ECB, RW, & RIB, Ridge Till, Continuous, 245 bushel Yield
Gravity Irrigated Diesel, fed by a well, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3 Ridge Plant and Band Herbicide	1		3.00	1.50	0.23	6.80	12.69	4.21	28.43	
4 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
5 Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
6 Spray Herbicide	Custom									
7 Spray Insecticide	Custom									
8 Spray Fungicide	Custom									
9 Pipe D 125' Lift	18	ai	41.67	106.77	4.94	2.40	11.07	3.90	170.75	
10 Combine Irr Corn	245		5.43	9.14	7.38	2.07	41.04	11.64	76.69	
11 Cart	245	bu	2.04	0.98	0.04	1.96	3.58	3.90	12.50	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		2.23	2.05	0.05	1.09	3.91	4.97	14.30	
Total for Field Operations			61.92	125.34	12.92	19.21	90.68	42.99	353.05	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
82-0-0	Fertilizer	2	100%	220	lbs N	0.85	187.00	
Corn Bt, ECB, RW, & RIB	Seed	3	100%	34.0	k seed	3.88	131.75	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Bicep II Magnum	Herbicide	3	40%	1.8	quart	12.00	8.64	
Spray	Custom	6	50%	1	acre	8.50	4.25	
Laudis	Herbicide	6	50%	3	ounce	5.16	7.73	
Atrazine 90 DF	Herbicide	6	50%	0.5	pound	5.00	1.25	
Crop Oil Concentrate	Additive	6	50%	1	pint	1.50	0.75	
UAN	Additive	6	50%	3	pint	0.45	0.68	
* Spray	Custom	7	10%	1	acre	8.50	0.85	
* Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.41	0.72	
Spray	Custom	8	20%	1	acre	8.50	1.70	
Miravis Neo	Fungicide	8	20%	10	ounce	1.88	3.75	
Haul Grain Bushels	Custom	12	100%	245	bushel	0.13	31.85	
Dry 2 Points Removed	Custom	13	20%	245	bushel	0.08	3.92	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					12.00	12.00	
Total Materials & Services							442.55	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services							795.60		
Interest on Operations Capital \$ 661.94	cash expense @	6.50%	for 6.0 mo.				21.51		
Total Operating and Use Related Ownership Costs							817.11		
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00		
Real Estate Opportunity^	Gravity (State)	\$ 7,055	per acre @	3.00%			211.65		
Real Estate Taxes		\$ 7,055	per acre @	1.40%			98.77		
Total Cost per Acre Including Overhead							1,157.53		
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.							3.32	
Cost of production per bushel							4.72		

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 27-Corn, Bt, ECB, & RIB, Ridge Till, after Beans, 255 bushel Yield
Gravity Irrigated Diesel, fed by a well, 18 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3	Ridge Plant and Band Herbicide	1		3.00	1.50	0.23	6.80	12.69	4.21	28.43	
4	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
5	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
6	Spray Herbicide	Custom									
7	Spray Insecticide	Custom									
8	Spray Fungicide	Custom									
9	Pipe D 125' Lift	18	ai	41.67	106.77	4.94	2.40	11.07	3.90	170.75	
10	Combine Irr Corn	255		5.66	9.51	7.68	2.15	42.71	12.11	79.82	
11	Cart	255	bu	2.13	1.02	0.05	2.04	3.72	4.06	13.02	
12	Truck	Custom									
13	Dry Grain	Custom									
Total for Field Operations				60.01	123.70	13.18	18.28	88.58	38.65	342.40	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13		
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00		
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38		
82-0-0	Fertilizer	2	100%	185	lbs N	0.85	157.25		
Corn Bt, ECB, & RIB	Seed	3	100%	35.4	k seed	3.50	123.90		
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20		
Bicep II Magnum	Herbicide	3	40%	1.8	quart	12.00	8.64		
Spray	Custom	6	50%	1	acre	8.50	4.25		
Laudis	Herbicide	6	50%	3	ounce	5.16	7.73		
Atrazine 90 DF	Herbicide	6	50%	0.5	pound	5.00	1.25		
Crop Oil Concentrate	Additive	6	50%	1	pint	1.50	0.75		
UAN	Additive	6	50%	3	pint	0.45	0.68		
* Spray	Custom	7	30%	1	acre	8.50	2.55		
* Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.41	0.72		
* Mustang Maxx	Insecticide	7	20%	2	ounce	1.72	0.69		
Spray	Custom	8	20%	1	acre	8.50	1.70		
Revytek	Fungicide	8	20%	8	ounce	3.13	5.00		
Haul Grain Bushels	Custom	12	100%	255	bushel	0.13	33.15		
Dry 2 Points Removed	Custom	13	20%	255	bushel	0.08	4.08		
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00		
Crop Insurance							12.00	12.00	
Total Materials & Services							410.05		

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services 752.45

Interest on Operations Capital \$ 625.22 cash expense @ 6.50% for 6.0 mo. 20.32

Total Operating and Use Related Ownership Costs 772.77

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Gravity (State) \$ 7,055 per acre @ 3.00% 211.65

Real Estate Taxes \$ 7,055 per acre @ 1.40% 98.77

Total Cost per Acre Including Overhead 1,113.19

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs. 3.04

Cost of production per bushel 4.37

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 28-Corn, SmartStax RIB Complete, Ridge Till, Continuous, 250 bushel Yield
Gravity Irrigated Diesel, fed by a well, 18 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3	Ridge Plant and Band Herbicide	1		3.00	1.50	0.23	6.80	12.69	4.21	28.43	
4	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
5	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Spray Insecticide	Custom									
8	Spray Fungicide	Custom									
9	Pipe D 125' Lift	18	ai	41.67	106.77	4.94	2.40	11.07	3.90	170.75	
10	Combine Irr Corn	250		5.54	9.32	7.53	2.11	41.87	11.88	78.26	
11	Cart	250	bu	2.08	1.00	0.05	2.00	3.65	3.98	12.76	
12	Truck	Custom									
13	Dry Grain	Custom									
14	Chop Stalks	1		2.23	2.05	0.05	1.09	3.91	4.97	14.30	
Total for Field Operations				63.02	125.89	13.10	20.40	93.04	45.33	360.79	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.31	5.00	
21-0-0-24S	Additive	1	50%	1.7 pound	0.45	0.38	
82-0-0	Fertilizer	2	100%	225 lbs N	0.85	191.25	
Corn SmartStax RIB Complete	Seed	3	100%	34.7 k seed	4.00	138.80	
10-34-0	Fertilizer	3	100%	6 gallon	4.20	25.20	
Bicep II Magnum	Herbicide	3	40%	1.8 quart	12.00	8.64	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce	0.31	10.00	
21-0-0-24S	Additive	6	100%	1.7 pound	0.45	0.77	
Status	Herbicide	6	50%	5 ounce	5.00	12.50	
Spray	Custom	7	10%	1 acre	8.50	0.85	
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.41	0.72	
Spray	Custom	8	20%	1 acre	8.50	1.70	
Stratego YLD	Fungicide	8	20%	2 ounce	5.00	2.00	
Haul Grain Bushels	Custom	12	100%	250 bushel	0.13	32.50	
Dry 2 Points Removed	Custom	13	10%	250 bushel	0.08	2.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	13.00	13.00	
	Crop Insurance				12.00	12.00	
Total Materials & Services						459.44	

Total listed costs for Field Operations and Materials and Services		820.23
Interest on Operations Capital \$ 681.86	cash expense @ 6.50% for 6.0 mo.	22.16
Total Operating and Use Related Ownership Costs		842.39
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Gravity (State)	211.65
Real Estate Taxes		98.77
Total Cost per Acre Including Overhead		1,182.81
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.33
Cost of production per bushel		4.73

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 29-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 175 bushel Yield Gravity Irrigated, fed by canal, 15 acre/inches

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
4	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
6	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
7	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
8	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
9	Spray Insecticide	Custom									
10	Spray Fungicide	Custom									
11	Ditch Irrigation	15	ai	20.83	0.00	5.15	0.00	11.53	0.00	37.51	
12	Combine Irr Corn	200		4.44	7.46	6.02	1.69	33.50	9.50	62.60	
13	Cart	175	bu	1.46	0.70	0.03	1.40	2.56	2.79	8.94	
14	Truck	Custom									
15	Dry Grain	Custom									
16	Chop Stalks	1		2.23	2.05	0.05	1.09	3.91	4.97	14.30	
Total for Field Operations				45.43	22.96	11.88	17.04	92.34	48.57	238.21	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
32-0-0	Fertilizer	3	100%	80 lbs N	1.00	80.00		
Balance Flexx	Herbicide	3	100%	4 ounce	5.40	21.60		
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20		
10-34-0	Fertilizer	4	100%	8 gallon	4.20	33.60		
Corn SmartStax RIB Complete	Seed	4	100%	27.2 k seed	4.00	108.80		
32-0-0	Fertilizer	5	100%	80 lbs N	1.00	80.00		
Roundup PowerMax 3	Herbicide	8	100%	28 ounce	0.43	12.03		
21-0-0-24S	Additive	8	100%	1.7 pounds	0.45	0.77		
Status	Herbicide	8	50%	5 ounce	5.00	12.50		
Spray	Custom	9	10%	1 acre	8.50	0.85		
Brigade 2EC	Insecticide	9	10%	5.12 ounce	1.41	0.72		
Spray	Custom	10	20%	1 acre	8.50	1.70		
Lucento	Fungicide	10	20%	3 ounce	4.49	2.70		
Haul Grain Bushels	Custom	14	100%	175 bushel	0.13	22.75		
Dry 2 Points Removed	Custom	15	10%	175 bushel	0.08	1.40		
Irrigation District O&M Charge	Other	11	100%	1 acre	35.00	35.00		
Scouting Irrigated Corn	Scouting		100%	1 acre	13.00	13.00		
	Crop Insurance				19.00	19.00		
Total Materials & Services							471.62	

Total listed costs for Field Operations and Materials and Services							709.83	
Interest on Operations Capital \$ 568.92 cash expense @ 6.50% for 6.0 mo.							18.49	
Total Operating and Use Related Ownership Costs							728.32	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00	
Real Estate Opportunity^	Gravity (Panhandle)	\$	3,370	per acre @	3.00%	101.10		
Real Estate Taxes		\$	3,370	per acre @	1.40%	47.18		
Total Cost per Acre Including Overhead							906.60	
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.							3.80	
Cost of production per bushel							5.18	

Use the UNL Ag Budget Calculator program to customize crop budgets at: aqbudget.unl.edu

**2023 Budget 30-Corn, Bt, ECB, RW, & RIB, No Till, Continuous, 245 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4	Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
5	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6	Spray Insecticide	Custom									
7	Spray Fungicide	Custom									
8	Combine Irr Corn	245		5.43	9.14	7.38	2.07	41.04	11.64	76.69	
9	Cart	245	bu	2.04	0.98	0.04	1.96	3.58	3.90	12.50	
10	Truck	Custom									
11	Dry Grain	Custom									
Total for Field Operations				23.07	38.08	11.47	20.50	57.80	42.65	193.56	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Corn Bt, ECB, RW, & RIB	Seed	3	100%	34.0	k seed	3.88	131.75	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	4	100%	220	lbs N	1.00	220.00	
Electricity Fixed	Other	4	100%	1	acre	40.00	40.00	
Status	Herbicide	5	80%	5	ounce	5.00	20.00	
Atrazine 90 DF	Herbicide	5	80%	1	pound	5.00	4.00	
Crop Oil Concentrate	Additive	5	80%	1	pint	1.50	1.20	
UAN	Additive	5	80%	3	pint	0.45	1.08	
Spray	Custom	6	30%	1	acre	8.50	2.55	
* Brigade 2EC	Insecticide	6	10%	5.12	ounce	1.41	0.72	
* Mustang Maxx	Insecticide	6	20%	3	ounce	1.72	1.03	
Spray	Custom	7	30%	1	acre	8.50	2.55	
Miravis Neo	Fungicide	7	30%	10	ounce	1.88	5.63	
Haul Grain Bushels	Custom	10	100%	245	bushel	0.13	31.85	
Dry 2 Points Removed	Custom	11	20%	245	bushel	0.08	3.92	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					12.00	12.00	
Total Materials & Services							577.12	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		770.68
Interest on Operations Capital \$ 670.24	cash expense @ 6.50% for 6.0 mo.	21.78
Total Operating and Use Related Ownership Costs		792.46
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Pivot (State) \$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		1,162.58
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	3.39
Cost of production per bushel		4.75

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 31-Corn, SmartStax RIB Complete, No Till, Continuous, 250 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
5	Spray Insecticide	Custom									
6	Spray Fungicide	Custom									
7	Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
8	Combine Irr Corn	250		5.54	9.32	7.53	2.11	41.87	11.88	78.26	
9	Cart	250	bu	2.08	1.00	0.05	2.00	3.65	3.98	12.76	
10	Truck	Custom									
11	Dry Grain	Custom									
Total for Field Operations				23.22	38.28	11.63	20.58	58.70	42.97	195.39	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Corn SmartStax RIB Complete	Seed	3	100%	34.7	k seed	4.00	138.80	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	7	100%	225	lbs N	1.00	225.00	
Glyphosate 5# w/Surfactant	Herbicide	4	80%	32	ounce	0.31	8.00	
21-0-0-24S	Additive	4	80%	1.7	pound	0.45	0.61	
Armezon Pro	Herbicide	4	80%	14	ounce	1.41	15.75	
Spray	Custom	5	10%	1	acre	8.50	0.85	
Brigade 2EC	Insecticide	5	10%	5.12	ounce	1.41	0.72	
Spray	Custom	6	30%	1	acre	8.50	2.55	
Revytek	Fungicide	6	30%	8	ounce	3.13	7.50	
Electricity Fixed	Other	7	100%	1	acre	40.00	40.00	
Haul Grain Bushels	Custom	10	100%	250	bushel	0.13	32.50	
Dry 2 Points Removed	Custom	11	10%	250	bushel	0.08	2.00	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					12.00	12.00	
Total Materials & Services							585.12	

Total listed costs for Field Operations and Materials and Services	780.51
Interest on Operations Capital \$ 678.84 cash expense @ 5.50% for 6.0 mo.	18.67
Total Operating and Use Related Ownership Costs	799.18

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)	30.00
Real Estate Opportunity^ Pivot (State)	231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead	1,169.30

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	3.34
Cost of production per bushel	4.68

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 32-Corn, SmartStax RIB Complete, Strip Till, Continuous, 260 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$1.50 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Subsoil / One-pass Tillage	1		2.78	4.04	0.26	3.66	14.11	5.18	30.03	
2 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
5 Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6 Spray Insecticide	Custom									
7 Spray Fungicide	Custom									
8 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
9 Combine Irr Corn	260		5.77	9.70	7.83	2.19	43.55	12.35	81.39	
10 Cart	260	bu	2.17	1.04	0.05	2.08	3.80	4.14	13.28	
11 Truck	Custom									
12 Dry Grain	Custom									
Total for Field Operations			23.54	38.70	11.93	20.74	60.53	43.60	229.07	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
2,4-D Ester LV4		2	50%	1 pint	4.25	2.13	
Glyphosate 5# w/Surfactant		2	50%	32 ounce	0.31	5.00	
21-0-0-24S		2	50%	1.7 pound	0.45	0.38	
Acuron		3	100%	2.5 quart	21.25	53.13	
Corn SmartStax RIB Complete		4	100%	34.7 k seed	4.00	138.80	
10-34-0		4	100%	6 gallon	4.20	25.20	
32-0-0 (Applied by R2)		8	100%	230 lbs N	1.00	230.00	
Glyphosate 5# w/Surfactant		5	80%	32 ounce	0.31	8.00	
21-0-0-24S		5	80%	1.7 pound	0.45	0.61	
Armezon Pro		5	80%	14 ounce	1.41	15.75	
Spray		6	10%	1 acre	8.50	0.85	
Brigade 2EC		6	10%	5.12 ounce	1.41	0.72	
Spray		7	30%	1 acre	8.50	2.55	
Revytek		7	30%	8 ounce	3.13	7.50	
Electricity Fixed		8	100%	1 acre	40.00	40.00	
Haul Grain Bushels		11	100%	260 bushel	0.13	33.80	
Dry 2 Points Removed		12	10%	260 bushel	0.08	2.08	
Scouting Irrigated Corn			100%	1 acre	13.00	13.00	
Crop Insurance					12.00	12.00	
Total Materials & Services						591.50	

Total listed costs for Field Operations and Materials and Services		820.57
Interest on Operations Capital \$ 686.41 cash expense @ 5.50% for 6.0 mo.		18.88
Total Operating and Use Related Ownership Costs		839.45
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ <input type="text" value="Pivot (State)"/> \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		1,209.57
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		3.24
Cost of production per bushel		4.65

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 33-Corn, Bt, ECB, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Spray Insecticide		Custom								
7 Spray Fungicide		Custom								
8 Combine Irr Corn	275		6.10	10.26	8.28	2.32	46.06	13.06	86.08	
9 Cart	275	bu	2.29	1.10	0.05	2.20	4.02	4.38	14.04	
10 Truck		Custom								
11 Dry Grain		Custom								
Total for Field Operations			24.18	39.39	12.39	21.21	63.55	44.96	205.68	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00	
2,4-D Ester LV4	Herbicide	1	100%	1	pint	4.25	4.25	
21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Crop Oil Concentrate	Additive	2	100%	1.6	pint	1.50	2.40	
21-0-0-24S	Additive	2	100%	2.5	pound	0.45	1.13	
Corn Bt, ECB, & RIB	Seed	3	100%	38.2	k seed	3.50	133.70	
10-34-0	Fertilizer	3	100%	6.0	gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0	lbs N	1.00	200.00	
Electricity Fixed	Other	4	100%	1.0	acre	40.00	40.00	
Armezon Pro	Herbicide	5	100%	14	ounce	1.41	19.69	
Atrazine 90 DF	Herbicide	5	100%	1.0	pound	5.00	5.00	
Crop Oil Concentrate	Additive	5	100%	0.5	pint	1.50	0.75	
UAN	Additive	5	100%	3	pint	0.45	1.35	
Spray	Custom	6	50%	1	acre	8.50	4.25	
* Brigade 2EC	Insecticide	6	50%	5.12	ounce	1.41	3.60	
* Mustang Maxx	Insecticide	6	50%	3	ounce	1.72	2.58	
Spray	Custom	7	60%	1	acre	8.50	5.10	
Stratego YLD	Fungicide	7	60%	2	ounce	5.00	6.00	
Haul Grain Bushels	Custom	10	100%	275	bushel	0.13	35.75	
Dry 2 Points Removed	Custom	11	30%	275	bushel	0.08	6.60	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
Crop Insurance						13.00	13.00	
Total Materials & Services						587.25		

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		792.93	
Interest on Operations Capital \$ 684.42 cash expense @ 6.50% for 6.0 mo.		22.24	
Total Operating and Use Related Ownership Costs		815.17	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00	
Real Estate Opportunity^ <input type="text" value="Pivot (State)"/> \$ 7,730 per acre @ 3.00%		231.90	
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22	
Total Cost per Acre Including Overhead		1,185.29	

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	3.07
Cost of production per bushel	4.31

Use the UNL Ag Budget Calculator program to customize crop budgets at:

aqbudget.unl.edu

**2023 Budget 34-Corn, Enlist, Bt, ECB, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Spray Insecticide		Custom								
7 Spray Fungicide		Custom								
8 Combine Irr Corn	275		6.10	10.26	8.28	2.32	46.06	13.06	86.08	
9 Cart	275	bu	2.29	1.10	0.05	2.20	4.02	4.38	14.04	
10 Truck		Custom								
11 Dry Grain		Custom								
Total for Field Operations			24.18	39.39	12.39	21.21	63.55	44.96	205.68	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32	ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1	pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7	pound	0.45	0.38	
Acuron	Herbicide	2	100%	2.5	quart	21.25	53.13	
Crop Oil Concentrate	Additive	2	100%	1.6	pint	1.50	2.40	
21-0-0-24S	Additive	2	100%	2.5	pound	0.45	1.13	
Corn Enlist, Bt, ECB, & RIB	Seed	3	100%	38.2	k seed	3.63	138.48	
10-34-0	Fertilizer	3	100%	6.0	gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0	lbs N	1.00	200.00	
Electricity Fixed	Other	4	100%	1.0	acre	40.00	40.00	
Enlist DUO	Herbicide	5	100%	76	ounce	0.35	26.72	
Crop Oil Concentrate	Additive	5	100%	0.5	pint	1.50	0.75	
UAN	Additive	5	100%	3	pint	0.45	1.35	
Spray	Custom	6	50%	1	acre	8.50	4.25	
* Brigade 2EC	Insecticide	6	50%	5.1	ounce	1.41	3.60	
* Mustang Maxx	Insecticide	6	50%	3.0	ounce	1.72	2.58	
Spray	Custom	7	50%	1	acre	8.50	4.25	
Lucento	Fungicide	7	50%	3	ounce	4.49	6.74	
Haul Grain Bushels	Custom	10	100%	275	bushel	0.13	35.75	
Dry 2 Points Removed	Custom	11	20%	275	bushel	0.08	4.40	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					13.00	13.00	
Total Materials & Services							584.24	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 681.41 cash expense @ 6.50% for 6.0 mo. 789.92

Total Operating and Use Related Ownership Costs

22.15
812.07

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)

Real Estate Opportunity^ Pivot (State) \$ 7,730 per acre @ 3.00% 231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40% 108.22

Total Cost per Acre Including Overhead

1,182.19

Cash Cost per bushel

^Ownership and RE Opportunity not included in cash costs. 3.06

Cost of production per bushel

4.30

Use the UNL Ag Budget Calculator program to customize crop budgets at:

aqbudget.unl.edu

**2023 Budget 35-Corn, Bt, ECB, RR2, LL, & RIB, No Till, after Beans, 275 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
2 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Pivot E 125' Lift w/fertigation	9	ai	10.42	25.66	3.95	8.00	5.00	14.24	67.27	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Spray Insecticide		Custom								
7 Spray Fungicide		Custom								
8 Combine Irr Corn	275		6.10	10.26	8.28	2.32	46.06	13.06	86.08	
9 Cart	275	bu	2.29	1.10	0.05	2.20	4.02	4.38	14.04	
10 Truck		Custom								
11 Dry Grain		Custom								
Total for Field Operations			24.18	39.39	12.39	21.21	63.55	44.96	205.68	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	50%	32 ounce	0.31	5.00	
2,4-D Ester LV4	Herbicide	1	50%	1 pint	4.25	2.13	
21-0-0-24S	Additive	1	50%	1.7 pound	0.45	0.38	
Acuron	Herbicide	2	100%	2.5 quart	21.25	53.13	
Crop Oil Concentrate	Additive	2	100%	1.6 pint	1.50	2.40	
21-0-0-24S	Additive	2	100%	2.5 pound	0.45	1.13	
Corn Bt, ECB, RR2, LL, & RIB	Seed	3	100%	38.2 k seed	3.50	133.70	
10-34-0	Fertilizer	3	100%	6.0 gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	4	100%	200.0 lbs N	1.00	200.00	
Electricity Fixed	Other	4	100%	1.0 acre	40.00	40.00	
Liberty 280	Herbicide	5	100%	40 ounce	0.63	25.00	
Armezon	Herbicide	5	100%	0.75 ounce	22.00	16.50	
Crop Oil Concentrate	Additive	5	100%	0.5 pint	1.50	0.75	
UAN	Additive	5	100%	3 pint	0.45	1.35	
Spray	Custom	6	50%	1 acre	8.50	4.25	
* Brigade 2EC	Insecticide	6	50%	5.12 ounce	1.41	3.60	
* Mustang Maxx	Insecticide	6	50%	3 ounce	1.72	2.58	
Spray	Custom	7	50%	1 acre	8.50	4.25	
Miravis Neo	Fungicide	7	50%	10 ounce	1.88	9.38	
Haul Grain Bushels	Custom	10	100%	275 bushel	0.13	35.75	
Dry 2 Points Removed	Custom	11	20%	275 bushel	0.08	4.40	
Scouting Irrigated Corn	Scouting		100%	1 acre	13.00	13.00	
Crop Insurance					13.00	13.00	
Total Materials & Services						596.88	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		802.56
Interest on Operations Capital \$ 694.05 cash expense @ 6.50% for 6.0 mo.		22.56
Total Operating and Use Related Ownership Costs		825.12
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (State)	\$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		1,195.24

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.11
Cost of production per bushel		4.35

Use the UNL Ag Budget Calculator program to customize crop budgets at:

aqbudget.unl.edu

**2023 Budget 36-Corn, Bt, ECB, RW, & RIB, Conventional Tillage, Continuous, 235 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
6	Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
7	Spray Insecticide	Custom									
8	Spray Fungicide	Custom									
9	Pivot D 125' Lift w/fertigation	13	ai	15.05	106.25	4.53	8.00	8.60	20.57	163.00	
10	Combine Irr Corn	235		5.21	8.76	7.08	1.98	39.36	11.16	73.56	
11	Cart	235	bu	1.96	0.94	0.04	1.88	3.43	3.74	11.99	
12	Truck	Custom									
13	Dry Grain	Custom									
Total for Field Operations				33.65	125.01	12.16	22.82	83.25	54.99	331.89	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Balance Flexx	Herbicide	3	100%	4	ounce	5.40	21.60	
Bicep II Magnum	Herbicide	3	100%	2.1	quart	12.00	25.20	
Corn Bt, ECB, RW, & RIB	Seed	4	100%	32.6	k seed	3.88	126.33	
10-34-0	Fertilizer	4	100%	6	gallon	4.20	25.20	
32-0-0 (Applied by R2)	Fertilizer	9	100%	210	lbs N	1.00	210.00	
Spray	Custom	7	30%	1	acre	8.50	2.55	
* Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.41	0.72	
* Mustang Maxx	Insecticide	7	20%	3	ounce	1.72	1.03	
Spray	Custom	8	30%	1	acre	8.50	2.55	
Revytek	Fungicide	8	30%	8	ounce	3.13	7.50	
Haul Grain Bushels	Custom	12	100%	235	bushel	0.13	30.55	
Dry 2 Points Removed	Custom	13	20%	235	bushel	0.08	3.76	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					12.00	12.00	
Total Materials & Services							481.99	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services		813.88
Interest on Operations Capital \$ 675.64 cash expense @ 6.50% for 6.0 mo.		21.96
Total Operating and Use Related Ownership Costs		835.84
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (State)	\$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		1,205.96
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.56
Cost of production per bushel		5.13

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 37-Corn, Bt, ECB, & RIB, Conventional Tillage, after Beans, 245 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
2 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
4 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
5 Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
6 Spray Insecticide		Custom								
7 Spray Fungicide		Custom								
8 Pivot D 125' Lift w/fertigation	13	ai	15.05	106.25	4.53	8.00	8.60	20.57	163.00	
9 Combine Irr Corn	245		5.43	9.14	7.38	2.07	41.04	11.64	76.69	
10 Cart	245	bu	2.04	0.98	0.04	1.96	3.58	3.90	12.50	
11 Truck		Custom								
12 Dry Grain		Custom								
Total for Field Operations			31.43	122.08	12.25	21.99	73.44	52.72	313.90	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Balance Flexx	2	100%	4	ounce	5.40	21.60	
Bicep II Magnum	2	100%	2.1	quart	12.00	25.20	
Corn Bt, ECB, & RIB	3	100%	34.0	k seed	3.50	119.00	
10-34-0	3	100%	6	gallon	4.20	25.20	
32-0-0 (Applied by R2)	8	100%	175	lbs N	1.00	175.00	
Spray	6	30%	1	acre	8.50	2.55	
* Brigade 2EC	6	10%	5.12	ounce	1.41	0.72	
* Mustang Maxx	6	20%	3	ounce	1.72	1.03	
Spray	7	30%	1	acre	8.50	2.55	
Stratego YLD	7	30%	2	ounce	5.00	3.00	
Haul Grain Bushels	11	100%	245	bushel	0.13	31.85	
Dry 2 Points Removed	12	20%	245	bushel	0.08	3.92	
Scouting Irrigated Corn		100%	1	acre	13.00	13.00	
Crop Insurance					12.00	12.00	
Total Materials & Services						436.62	

*Insecticide for Spider mites and Western Bean Cutworm respectively.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 624.37 cash expense @ 6.50% for 6.0 mo. 20.29

Total Operating and Use Related Ownership Costs

770.81

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)

Real Estate Opportunity^ Pivot (State) \$ 7,730 per acre @ 3.00% 231.90

Real Estate Taxes \$ 7,730 per acre @ 1.40% 108.22

Total Cost per Acre Including Overhead

1,140.93

Cash Cost per bushel

Cost of production per bushel ^Ownership and RE Opportunity not included in cash costs. 4.66

Use the UNL Ag Budget Calculator program to customize crop budgets at:

aqbudget.unl.edu

**2023 Budget 38-Corn, SmartStax RIB Complete, Panhandle, Conventional Tillage, Continuous, 175 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
6	Spray Herbicide	Custom									
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	5.71	8.00	9.99	20.57	96.38	
10	Combine Irr Corn	175		3.88	6.53	5.27	1.48	29.31	8.31	54.78	
11	Cart	175	bu	1.46	0.70	0.03	1.40	2.56	2.79	8.94	
12	Truck	Custom									
13	Dry Grain	Custom									
Total for Field Operations				31.19	53.00	11.51	21.57	72.62	50.28	240.17	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Balance Flexx	Herbicide	3	100%	4	ounce	5.40	21.60	
Bicep II Magnum	Herbicide	3	100%	2.1	quart	12.00	25.20	
10-34-0	Fertilizer	4	100%	8	gallon	4.20	33.60	
Corn SmartStax RIB Complete	Seed	4	100%	27.2	k seed	4.00	108.80	
32-0-0 (Applied by R2)	Fertilizer	8	100%	160	lbs N	1.00	160.00	
Spray	Custom	6	100%	1	acre	8.50	8.50	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32	ounce	0.31	10.00	
Armezon Pro	Herbicide	6	80%	14	ounce	1.41	15.75	
21-0-0-24S	Additive	6	80%	1.7	pound	0.45	0.61	
Aerial Spray	Custom	7	10%	1	acre	10.00	1.00	
Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.41	0.72	
Aerial Spray	Custom	8	20%	1	acre	10.00	2.00	
Lucento	Fungicide	8	20%	3	ounce	4.49	2.70	
Electricity Fixed	Other	9	100%	1	acre	40.00	40.00	
Haul Grain Bushels	Custom	12	100%	175	bushel	0.13	22.75	
Dry 2 Points Removed	Custom	13	10%	175	bushel	0.08	1.40	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					19.00	19.00	
Total Materials & Services							486.63	

Total listed costs for Field Operations and Materials and Services							726.80
Interest on Operations Capital \$ 603.89	cash expense @	6.50%	for 6.0 mo.				19.63
Total Operating and Use Related Ownership Costs							746.43
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00
Real Estate Opportunity^	Pivot (Panhandle)	\$ 3,710	per acre @	3.00%			111.30
Real Estate Taxes		\$ 3,710	per acre @	1.40%			51.94
Total Cost per Acre Including Overhead							939.67
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.						4.03
Cost of production per bushel							5.37

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**2023 Budget 39-Corn, Bt, ECB, RR2, LL, & RIB, Panhandle, Conventional Tillage, after Beans, 185 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
4	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
5	Spray Herbicide	Custom									
6	Aerial Spray	Custom									
7	Aerial Spray	Custom									
8	Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	5.71	8.00	9.99	20.57	96.38	
9	Combine Irr Corn	185		4.10	6.90	5.57	1.56	30.99	8.79	57.91	
10	Cart	185	bu	1.54	0.74	0.03	1.48	2.70	2.95	9.44	
11	Truck	Custom									
12	Dry Grain	Custom									
Total for Field Operations				28.97	50.06	11.60	20.73	62.80	48.01	222.17	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Balance Flexx	Herbicide	2	100%	4	ounce	5.40	21.60	
Bicep II Magnum	Herbicide	2	100%	2.1	quart	12.00	25.20	
10-34-0	Fertilizer	3	100%	8	gallon	4.20	33.60	
Corn Bt, ECB, RR2, LL, & RIB	Seed	3	100%	28.8	k seed	3.50	100.80	
32-0-0 (Applied by R2)	Fertilizer	8	100%	140	lbs N	1.00	140.00	
Spray	Custom	5	80%	1	acre	8.50	6.80	
DiFlexx DUO	Herbicide	5	80%	32	ounce	0.90	23.00	
Crop Oil Concentrate	Additive	5	80%	1.6	pint	1.50	1.92	
Aerial Spray	Custom	6	10%	1	acre	10.00	1.00	
Brigade 2EC	Insecticide	6	10%	5.12	ounce	1.41	0.72	
Aerial Spray	Custom	7	20%	1	acre	10.00	2.00	
Miravis Neo	Fungicide	7	20%	10	ounce	1.88	3.75	
Electricity Fixed	Other	8	100%	1	acre	40.00	40.00	
Haul Grain Bushels	Custom	11	100%	185	bushel	0.13	24.05	
Dry 2 Points Removed	Custom	12	10%	185	bushel	0.08	1.48	
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00	
	Crop Insurance					20.00	20.00	
Total Materials & Services							458.92	

Total listed costs for Field Operations and Materials and Services		681.09
Interest on Operations Capital \$ 570.28	cash expense @ 6.50% for 6.0 mo.	18.53
Total Operating and Use Related Ownership Costs		699.62
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Pivot (Panhandle) \$ 3,710 per acre @ 3.00%	111.30
Real Estate Taxes	\$ 3,710 per acre @ 1.40%	51.94
Total Cost per Acre Including Overhead		892.86
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.63
Cost of production per bushel		4.83

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**2023 Budget 40-Corn, SmartStax RIB Complete, Conventional Tillage, Continuous, 240 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 13 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
6 Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
7 Spray Insecticide	Custom									
8 Spray Fungicide	Custom									
9 Spray Herbicide	Custom									
10 Pivot E 125' Lift w/fertigation	13	ai	15.05	37.06	5.71	8.00	9.99	20.57	96.38	
11 Combine Irr Corn	240		5.32	8.95	7.23	2.03	40.20	11.40	75.13	
12 Cart	240	bu	2.00	0.96	0.04	1.92	3.51	3.82	12.25	
13 Truck	Custom									
14 Dry Grain	Custom									
Total for Field Operations			33.80	56.03	13.49	22.91	85.56	55.31	267.10	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.00	25.20
Corn SmartStax RIB Complete	Seed	4	100%	33.3 k seed	4.00	133.20
10-34-0	Fertilizer	4	100%	6 gallon	4.20	25.20
Spray	Custom	7	10%	1.0 acre	8.50	0.85
Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.41	0.72
Spray	Custom	8	30%	1 acre	8.50	2.55
Revytek	Fungicide	8	30%	8.0 ounce	3.13	7.50
Spray	Custom	9	80%	1 acre	8.50	6.80
DiFlexx DUO	Herbicide	9	80%	32 ounce	0.90	23.00
Crop Oil Concentrate	Additive	9	80%	1.6 pint	1.50	1.92
32-0-0 (Applied by R2)	Fertilizer	10	100%	215.0 lbs N	1.00	215.00
Electricity Fixed	Other	10	100%	1 acre	40.00	40.00
Haul Grain Bushels	Custom	13	100%	240 bushel	0.13	31.20
Dry 2 Points Removed	Custom	14	20%	240 bushel	0.08	3.84
Scouting Irrigated Corn	Scouting		100%	1 acre	13.00	13.00
	Crop Insurance				12.00	12.00
Total Materials & Services					31,200 seeds per acre, 80,000 per bag, 5% Refuge	563.58

Total listed costs for Field Operations and Materials and Services						830.68
Interest on Operations Capital \$ 689.81	cash expense @		6.50%	for 6.0 mo.		22.42
Total Operating and Use Related Ownership Costs						853.10

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						30.00
Real Estate Opportunity^	Pivot (State)	\$ 7,730	per acre @	3.00%		231.90
Real Estate Taxes		\$ 7,730	per acre @	1.40%		108.22
Total Cost per Acre Including Overhead						1,223.22

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>					3.54
Cost of production per bushel						5.10

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**2023 Budget 41-Corn, Silage, No Till, Continuous, 28 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 12 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spread Manure	Custom									
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	Custom									
5 Pivot D 125' Lift	12	ai	10.42	98.07	4.18	8.00	7.94	16.71	145.32	
6 Aerial Spray	Custom									
7 Chop Silage	Custom									
Total for Field Operations			14.37	99.91	4.26	15.03	14.22	26.96	174.75	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
2,4-D Ester LV4	Herbicide	1	100%	1	pint	4.25	4.25		
Uncomposted manure	Fertilizer	2	100%	20	ton	4.00	80.00		
Haul & Apply Manure	Custom	2	100%	20	ton	7.00	140.00		
Bicep II Magnum	Herbicide	3	100%	1.4	quart	12.00	16.80		
Corn	Seed	3	100%	32.2	k seed	3.13	100.63		
* Capture LFR	Insecticide	3	100%	6.6	ounce	2.97	19.59		
Spray	Custom	4	80%	1	acre	8.50	6.80		
Armezon Pro	Herbicide	4	80%	14	ounce	1.41	15.75		
NIS	Additive	4	80%	6	ounce	0.20	0.98		
UAN	Additive	4	80%	4	pint	0.45	1.44		
* Aerial Spray	Custom	6	15%	1	acre	10.00	1.50		
* Brigade 2EC	Insecticide	6	10%	2.5	ounce	1.41	0.35		
* Mustang Maxx	Insecticide	6	5%	3	ounce	1.72	0.26		
Chop, Haul, Pack	Custom	7	100%	28	ton	17.00	476.00		
Scouting Irrigated Corn	Scouting		100%	1	acre	13.00	13.00		
	Crop Insurance					12.00	12.00		
Total Materials & Services								889.35	

*Insecticide for rootworm, 1st & 2nd brood European Corn Borer Western and Bean Cutworm, respectively.

Total listed costs for Field Operations and Materials and Services		1,064.10
Interest on Operations Capital \$ 1,022.92	cash expense @ 6.50% for 6.0 mo.	33.24
Total Operating and Use Related Ownership Costs		1,097.34

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Pivot (State) \$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		1,467.46

Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.	42.66
Cost of production per ton		52.41

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**2023 Budget 42-Dry Beans, Panhandle, Reduced Till, after Harvest Cover Crop, 27 cwt Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 8 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5	Pivot E 125' Lift	8	ai	6.94	22.81	3.51	8.00	6.15	11.14	58.55	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	Pickett Windrowers	1		2.75	2.68	0.06	1.18	4.82	2.09	13.58	
10	Combine Irrigated Dry Beans with Draper Flex Platform	1		2.12	3.56	2.87	0.80	15.98	6.21	31.54	
11	Truck	Custom									
12	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
Total for Field Operations				23.26	38.47	6.96	25.91	58.65	38.19	191.44	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Outlook	Herbicide	3	100%	11	ounce	1.35	14.87		
Prowl H2O	Herbicide	3	100%	2	pint	7.25	14.50		
Edible Beans	Seed	4	100%	0.75	cwt	93.00	69.75		
10-34-0-1Zn	Fertilizer	4	100%	7	gallon	4.30	30.10		
46-0-0	Fertilizer	4	100%	50	lbs N	0.87	43.50		
Electricity Fixed	Other	5	100%	1	acre	40.00	40.00		
Basagran 5L	Herbicide	6	100%	1.2	pint	10.63	12.75		
Outlook	Herbicide	6	100%	10	ounce	1.35	13.52		
Raptor	Herbicide	6	100%	4	ounce	4.69	18.75		
NIS	Additive	6	100%	5	ounce	0.20	1.02		
UAN	Additive	6	100%	4	pint	0.45	1.80		
* Aerial Spray	Custom	7	60%	1	acre	10.00	6.00		
* Asana XL	Insecticide	7	60%	5.8	ounce	0.63	2.18		
Aerial Spray	Custom	8	100%	1	acre	10.00	10.00		
Copper	Fungicide	8	100%	2	pint	8.00	16.00		
Priaxor	Fungicide	8	100%	4	ounce	4.53	18.13		
Haul Grain (Dry Beans)	Custom	11	100%	27	cwt	0.30	8.10		
Wheat Cover Crop	Seed	12	100%	30	pound	0.20	6.00		
Scouting Dry Beans	Scouting		100%	1	acre	11.00	11.00		
	Crop Insurance					30.00	30.00		
Total Materials & Services				Electricity connect fee 6 months @ \$72/mo 133 acres				367.97	

*Insecticide for Mexican bean beetle and Western Bean Cutworm (10%).

Total listed costs for Field Operations and Materials and Services 559.41

Interest on Operations Capital \$ 462.57 cash expense @ 6.50% for 6.0 mo. 15.03

Total Operating and Use Related Ownership Costs 574.44

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Pivot (Panhandle) \$ 3,710 per acre @ 3.00% 111.30

Real Estate Taxes \$ 3,710 per acre @ 1.40% 51.94

Total Cost per Acre Including Overhead 767.68

Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs. 20.72

Cost of production per cwt 28.43

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**2023 Budget 43-Dry Beans, Panhandle, Conventional Tillage, 27 cwt Yield
Gravity Irrigated, fed by canal, 10 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Chop Stalks	1		2.23	2.05	0.05	1.09	3.91	4.97	14.30	
2	Plow	1		4.30	4.13	0.37	2.17	19.84	0.99	31.80	
3	Roller Harrow	1		2.50	2.20	0.06	1.06	4.82	3.08	13.72	
4	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
5	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
7	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
8	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
9	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
10	Ditch Irrigation	10	ai	13.89	0.00	3.43	0.00	7.69	0.00	25.01	
11	Aerial Spray	Custom									
12	Aerial Spray	Custom									
13	Pickett Windrowers	1		2.75	2.68	0.06	1.18	4.82	2.09	13.58	
	Combine Irrigated Dry Beans with	1									
14	Draper Flex Platform	1		2.12	3.56	2.87	0.80	15.98	6.21	31.54	
15	Truck	Custom									
Total for Field Operations				39.77	22.68	7.21	18.97	82.46	40.24	211.33	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Eptam 7E	Herbicide	5	100%	3	pint	8.00	24.00	
Sonalan HFP	Herbicide	5	100%	1.5	pint	7.50	11.25	
Edible Beans	Seed	6	100%	0.75	cwt	93.00	69.75	
10-34-0-1Zn	Fertilizer	6	100%	7	gallon	4.30	30.10	
46-0-0	Fertilizer	6	100%	50	lbs N	0.87	43.50	
Basagran 5L	Herbicide	7	100%	1.2	pint	10.63	12.75	
Raptor	Herbicide	7	100%	4	ounce	4.69	18.75	
NIS	Additive	7	100%	5	ounce	0.20	1.02	
UAN	Additive	7	100%	4	pint	0.45	1.80	
* Aerial Spray	Custom	11	60%	1	acre	10.00	6.00	
* Asana XL	Insecticide	11	60%	5.8	ounce	0.63	2.18	
Aerial Spray	Custom	12	100%	1	acre	10.00	10.00	
Copper	Fungicide	12	100%	2	pint	8.00	16.00	
Priaxor	Fungicide	12	100%	4	ounce	4.53	18.13	
Haul Grain (Dry Beans)	Custom	15	100%	27	cwt	0.30	8.10	
Irrigation District O&M Charge	Other	10	100%	1	acre	35.00	35.00	
Scouting Dry Beans	Scouting		100%	1	acre	11.00	11.00	
	Crop Insurance					30.00	30.00	
Total Materials & Services							349.33	

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials and Services 560.66

Interest on Operations Capital \$ 437.96 cash expense @ 6.50% for 6.0 mo. 14.23

Total Operating and Use Related Ownership Costs 574.89

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Gravity (Panhandle) \$ 3,370 per acre @ 3.00% 101.10

Real Estate Taxes \$ 3,370 per acre @ 1.40% 47.18

Total Cost per Acre Including Overhead 753.17

Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs. 19.61

Cost of production per cwt 27.90

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**2023 Budget 44-Dry Beans, Panhandle, Conventional Tillage, 27 cwt Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	2		5.04	6.69	0.43	2.00	23.27	5.81	43.24	
2	Chisel	1		2.48	3.28	0.21	2.82	11.44	2.02	22.25	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
5	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
8	Pivot E 125' Lift	9	ai	7.81	25.66	3.95	8.00	6.92	12.53	64.87	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
11	Pickett Windrowers	1		2.75	2.68	0.06	1.18	4.82	2.09	13.58	
	Combine Irrigated Dry Beans with										
12	Draper Flex Platform	1		2.12	3.56	2.87	0.80	15.98	6.21	31.54	
13	Truck	Custom									
Total for Field Operations				29.43	47.58	7.83	25.60	83.01	46.38	239.83	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Outlook
Prowl H2O	Herbicide	3	100%	2 pint	7.25	14.50		
Edible Beans	Seed	5	100%	0.75 cwt	93.00	69.75		
10-34-0-1Zn	Fertilizer	5	100%	7 gallon	4.30	30.10		
46-0-0	Fertilizer	5	100%	50 lbs N	0.87	43.50		
Raptor	Herbicide	6	100%	4 ounce	4.69	18.75		
Basagran 5L	Herbicide	6	100%	1.2 pint	10.63	12.75		
Outlook	Herbicide	6	100%	10 ounce	1.35	13.52		
NIS	Additive	6	100%	5 ounce	0.20	1.02		
UAN	Additive	6	100%	4 pint	0.45	1.80		
Electricity Fixed	Other	8	100%	1 acre	40.00	40.00		
* Aerial Spray	Custom	9	60%	1 acre	10.00	6.00		
* Asana XL	Insecticide	9	60%	5.8 ounce	0.63	2.18		
Aerial Spray	Custom	10	100%	1 acre	10.00	10.00		
Copper	Fungicide	10	100%	2 pint	8.00	16.00		
Priaxor	Fungicide	10	100%	4 ounce	4.53	18.13		
Haul Grain (Dry Beans)	Custom	13	100%	27 cwt	0.30	8.10		
Scouting Dry Beans	Scouting		100%	1 acre	11.00	11.00		
	Crop Insurance				30.00	30.00		
Total Materials & Services							361.97	

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials and Services 601.80

Interest on Operations Capital \$ 472.41 cash expense @ 6.50% for 6.0 mo. 15.35

Total Operating and Use Related Ownership Costs 617.15

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

Real Estate Opportunity^ Pivot (Panhandle) \$ 3,710 per acre @ 3.00% 111.30

Real Estate Taxes \$ 3,710 per acre @ 1.40% 51.94

Total Cost per Acre Including Overhead 810.39

Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs. 21.10

Cost of production per cwt 30.01

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 45-Dry Beans, Direct Harvest, Panhandle, Conventional Tillage, 27 cwt Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	2		5.04	6.69	0.43	2.00	23.27	5.81	43.24	
2 Chisel	1		2.48	3.28	0.21	2.82	11.44	2.02	22.25	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
5 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
6 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7 Pivot E 125' Lift	9	ai	7.81	25.66	3.95	8.00	6.92	12.53	64.87	
8 Aerial Spray	Custom									
9 Aerial Spray	Custom									
10 Spray Herbicide	0.1		0.09	0.04	0.00	0.11	0.15	0.20	0.59	
11 Combine Irrigated Dry Beans with Draper Flex Platform	1		2.12	3.56	2.87	0.80	15.98	6.21	31.54	
12 Truck	Custom									
Total for Field Operations			24.27	43.54	7.72	23.46	73.96	40.84	213.79	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Outlook
Prowl H2O	Herbicide	3	100%	2 pint	7.25	14.50		
Edible Beans	Seed	5	100%	1 cwt	93.00	93.00		
10-34-0-1Zn	Fertilizer	5	100%	7 gallon	4.30	30.10		
46-0-0	Fertilizer	5	100%	50 lbs N	0.87	43.50		
Raptor	Herbicide	6	100%	4 ounce	4.69	18.75		
Basagran 5L	Herbicide	6	100%	1.2 pint	10.63	12.75		
Outlook	Herbicide	6	100%	10 ounce	1.35	13.52		
NIS	Additive	6	100%	5 ounce	0.20	1.02		
UAN	Additive	6	100%	4 pint	0.45	1.80		
Electricity Fixed	Other	7	100%	1 acre	40.00	40.00		
* Aerial Spray	Custom	8	60%	1 acre	10.00	6.00		
* Asana XL	Insecticide	8	60%	5.8 ounce	0.63	2.18		
Aerial Spray	Custom	9	100%	1 acre	10.00	10.00		
Copper	Fungicide	9	100%	2 pint	8.00	16.00		
Priaxor	Fungicide	9	100%	4 ounce	4.53	18.13		
Gramoxone SL 2.0	Herbicide	10	10%	2 pint	5.38	1.08		
Haul Grain (Dry Beans)	Custom	12	100%	27 cwt	0.30	8.10		
Scouting Dry Beans	Scouting		100%	1 acre	11.00	11.00		
	Crop Insurance				30.00	30.00		
Total Materials & Services							390.35	

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 489.34	cash expense @ 6.50% for 6.0 mo.	15.90
Total Operating and Use Related Ownership Costs		620.04

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)

Real Estate Opportunity^	Pivot (Panhandle)	\$ 3,710	per acre @ 3.00%	111.30
Real Estate Taxes		\$ 3,710	per acre @ 1.40%	51.94
Total Cost per Acre Including Overhead				813.28

Cash Cost per cwt	<i>^Ownership and RE Opportunity not included in cash costs.</i>	21.75
Cost of production per cwt		30.12

A potential yield loss of 92-120 pounds per acre (but can be as high as 240-480 pounds per acre) with direct harvest is possible because of beans lost on the lower stem. A draper flex platform is usually the best choice for direct harvest. Direct harvest reduces field operations and weather related losses while beans are drying in the windrow. Undercutting and windrowing has even resulted in total crop loss. In these budgets we have not adjusted dry bean yields because of different harvesting methods.

Use the UNL Ag Budget Calculator program to customize crop budgets at: aqbudget.unl.edu

**2023 Budget 46-Grain Sorghum, Southwest, Conventional Tillage, 115 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
6	Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
7	Row Crop Cultivation	0.25		0.63	0.35	0.01	0.27	1.10	0.91	3.27	
8	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
9	Aerial Spray	Custom									
10	Combine Dryland SG	115		2.43	4.09	3.30	0.52	18.37	6.10	34.82	
11	Cart	115	bu	0.96	0.46	0.02	0.92	1.68	1.83	5.87	
12	Truck	Custom									
Total for Field Operations				17.4127	14.8611	4.003	14.69	61.54	33.5906	146.10	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
82-0-0	Fertilizer	2	100%	100 lbs N	0.85	85.00	
10-34-0	Fertilizer	4	100%	6 gallon	4.20	25.20	
Lumax EZ	Herbicide	4	100%	2.7 quart	17.75	47.93	
AAtrex 4L	Herbicide	4	100%	0.5 quart	5.50	2.75	
Sorghum Safened/Insect	Seed	5	100%	4 pound	3.80	15.20	
Huskie	Herbicide	8	80%	11 ounce	0.94	8.25	
21-0-0-24S	Additive	8	80%	1 pound	0.45	0.36	
* Aerial Spray	Custom	9	15%	1 acre	10.00	1.50	
* Mustang Maxx	Insecticide	9	15%	3 ounce	1.72	0.77	
Haul Grain Bushels	Custom	12	100%	115 bushel	0.13	14.95	
Scouting Grain Sorghum	Scouting		100%	1 acre	8.00	8.00	
Crop Insurance						31.00	31.00
Total Materials & Services						240.91	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 291.88 cash expense @ 6.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)

** Real Estate Opportunity^ Dryland (Southwest) \$ 1,560 per acre @ 3.00%
 ** Real Estate Taxes \$ 1,560 per acre @ 1.40%

Total Cost per Acre Including Overhead

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.
Cost of production per bushel

** Since sorghum is generally planted on less productive land, real estate cost is reduced to 70% of average value.

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 47-Grain Sorghum, No Till, 135 bushel Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
5 Aerial Spray	Custom									
6 Combine Dryland SG	135		2.86	4.80	3.88	0.61	21.57	7.16	40.87	
7 Cart	135	bu	1.13	0.54	0.02	1.08	1.97	2.15	6.89	
8 Truck	Custom									
Total for Field Operations			9.65	7.81	4.01	9.91	32.45	26.21	90.03	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00	
2,4-D Ester LV4	Herbicide	1	100%	1	pint	4.25	4.25	
21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77	
32-0-0	Fertilizer	2	100%	120	lbs N	1.00	120.00	
Lumax EZ	Herbicide	2	100%	2.7	quart	17.75	47.93	
AAtrex 4L	Herbicide	2	100%	0.5	quart	5.50	2.75	
10-34-0	Fertilizer	3	100%	6	gallon	4.20	25.20	
Sorghum Safened/Insect	Seed	3	100%	4	pound	3.80	15.20	
Huskie	Herbicide	4	80%	11	ounce	0.94	8.25	
21-0-0-24S	Additive	4	80%	1	pound	0.45	0.36	
* Aerial Spray	Custom	5	15%	1	acre	10.00	1.50	
* Mustang Maxx	Insecticide	5	15%	3	ounce	1.72	0.77	
Haul Grain Bushels	Custom	8	100%	135	bushel	0.13	17.55	
Scouting Grain Sorghum	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					27.00	27.00	
Total Materials & Services						289.53		

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services						379.56		
Interest on Operations Capital \$ 320.91	cash expense @	6.50%	for 6.0 mo.			10.43		
Total Operating and Use Related Ownership Costs						389.99		
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						30.00		
** Real Estate Opportunity^	Dryland (State)	\$ 3,900	per acre @	3.00%		117.00		
** Real Estate Taxes		\$ 3,900	per acre @	1.40%		54.60		
Total Cost per Acre Including Overhead						591.59		
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.						3.08	
Cost of production per bushel						4.38		

** Since sorghum is generally planted on less productive land, real estate cost is reduced to 70% of average value.

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 48-Grain Sorghum, Southwest, Ecofollow, after Wheat, Two Crops in Three Years, 120 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Post Harvest Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray Fall Burndown Herbicide	1		0.95	0.35	0.02	1.04	1.46	2.52	6.34	
3 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
4 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
5 Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6 Aerial Spray		Custom								
7 Combine Dryland SG	120		2.54	4.27	3.45	0.54	19.17	6.37	36.33	
8 Cart	120	bu	1.00	0.48	0.02	0.96	1.75	1.91	6.12	
9 Truck		Custom								
Total for Field Operations			10.15	7.57	3.60	10.76	31.29	27.70	91.06	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.31	10.00	
2,4-D Ester LV4	Herbicide	1	100%	1 pint	4.25	4.25	
21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77	
AAtrax 4L	Herbicide	2	100%	1 quart	5.50	5.50	
Gramoxone SL 2.0	Herbicide	2	100%	1.5 pint	5.38	8.06	
32-0-0	Fertilizer	3	100%	110 lbs N	1.00	110.00	
Lumax EZ	Herbicide	3	100%	2.7 quart	17.75	47.93	
10-34-0	Fertilizer	4	100%	6 gallon	4.20	25.20	
Sorghum Safened/Insect	Seed	4	100%	4 pound	3.80	15.20	
Huskie	Herbicide	5	80%	11 ounce	0.94	8.25	
21-0-0-24S	Additive	5	80%	1 pound	0.45	0.36	
* Aerial Spray	Custom	6	15%	1 acre	10.00	1.50	
* Mustang Maxx	Insecticide	6	15%	3 ounce	1.72	0.77	
Haul Grain Bushels	Custom	9	100%	120 bushel	0.13	15.60	
Scouting Grain Sorghum	Scouting		100%	1 acre	8.00	8.00	
Crop Insurance					31.00	31.00	
Total Materials & Services						292.39	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services 383.45

Interest on Operations Capital \$ 324.47 cash expense @ 6.50% for 6.0 mo. 10.55

Total Operating and Use Related Ownership Costs 394.00

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 30.00

** Real Estate Opportunity^ Dryland (Southwest) \$ 1,560 per acre @ 3.00% 46.80

** Real Estate Taxes \$ 1,560 per acre @ 1.40% 21.84

Total Cost per Acre Including Overhead 492.64

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs. 3.22

Cost of production per bushel 4.11

** Since sorghum is generally planted on less productive land, real estate cost is reduced to 70% of average value.

Use the UNL Ag Budget Calculator program to customize crop budgets at: aqbudget.unl.edu

**2023 Budget 49-Grain Sorghum, No Till, Limited Irrigation, 170 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2	Anhydrous Application	1		1.83	0.97	0.16	1.40	8.46	4.53	17.35	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
5	Spray Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
6	Aerial Spray	Custom									
7	Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
8	Combine Irr SG	170		3.90	6.55	5.29	1.38	29.42	7.20	53.74	
9	Cart	170	bu	1.42	0.68	0.03	1.36	2.48	2.71	8.68	
10	Truck	Custom									
Total for Field Operations				18.02	59.71	7.68	28.39	53.24	36.67	203.71	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00	
2,4-D Ester LV4	Herbicide	1	100%	1	pint	4.25	4.25	
21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77	
82-0-0	Fertilizer	2	100%	150	lbs N	0.85	127.50	
Lumax EZ	Herbicide	3	100%	2.7	quart	17.75	47.93	
AAtrex 4L	Herbicide	3	100%	0.5	quart	5.50	2.75	
10-34-0	Fertilizer	4	100%	6	gallon	4.20	25.20	
Sorghum Safened/Insect	Seed	4	100%	6	pound	3.80	22.80	
Huskie	Herbicide	5	80%	11	ounce	0.94	8.25	
21-0-0-24S	Additive	5	80%	1	pound	0.45	0.36	
* Aerial Spray	Custom	6	15%	1	acre	10.00	1.50	
* Mustang Maxx	Insecticide	6	15%	3	ounce	1.72	0.77	
Haul Grain Bushels	Custom	10	100%	170	bushel	0.13	22.10	
Scouting Grain Sorghum	Scouting		100%	1	acre	8.00	8.00	
Crop Insurance						17.00	17.00	
Total Materials & Services							299.18	

*Treating greenbugs one year in 10, chinchbugs one in 20.

Total listed costs for Field Operations and Materials and Services		502.89
Interest on Operations Capital \$ 412.98	cash expense @ 6.50% for 6.0 mo.	13.42
Total Operating and Use Related Ownership Costs		516.31
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
** Real Estate Opportunity^	Pivot (Marginal Land) \$ 5,235 per acre @ 3.00%	157.05
** Real Estate Taxes	\$ 5,235 per acre @ 1.40%	73.29
Total Cost per Acre Including Overhead		776.65

Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	3.12
Cost of production per bushel		4.57

** Since sorghum is generally planted on less productive land, real estate cost is reduced to 70% of average value.

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 50-Grass, Fall Establishment
Pivot Irrigated Diesel, 800 GPM 35 PSI, 2 acre/inches

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3 Grass Drill	1		3.06	2.10	0.07	3.26	5.36	3.63	17.48	
4 Roll	1		2.08	2.00	0.05	0.37	4.02	3.34	11.86	
5 Pivot D 125' Lift	2	ai	1.74	16.35	0.70	5.07	1.32	2.78	27.96	
6 Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
Total for Field Operations			13.20	27.55	1.24	11.29	34.60	16.94	104.82	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							Grass Seed
11-52-0	Fertilizer	6	100%	60 pound	0.48	28.80	
Total Materials & Services						108.80	

Total listed costs for Field Operations and Materials and Services						213.62	
Interest on Operations Capital \$ 162.08 cash expense @ 6.50% for 6.0 mo.						5.27	
Total Operating and Use Related Ownership Costs						218.89	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	3.00%	0.00		
Real Estate Taxes		\$ -	per acre @	1.40%	0.00		
Total Cost per Acre Including Overhead						243.89	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 51-Grass Hay, Large Round Bales, 3.3 ton Yield

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	_____
2	Swath/Condition Hay	1		2.50	2.20	0.96	0.86	3.54	6.09	16.15	_____
3	Bale Large Round	3.3	ton	7.56	3.48	0.16	6.55	13.25	8.75	39.75	_____
4	Move Large Round	3.3	ton	4.32	2.77	0.09	0.00	7.57	0.37	15.12	_____
Total for Field Operations				16.35	9.79	1.26	7.41	28.16	17.69	80.66	_____

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
46-0-0	Fertilizer	1	100%	60 lbs N		0.87	52.20	_____
11-52-0	Fertilizer	1	100%	15 pound		0.48	7.20	_____
Twine Large Round	Other	3	100%	3.3 ton		1.95	6.43	_____
Pasture, Range, & Forage Insurance	Other		100%	1 acre		1.00	1.00	_____
Total Materials & Services							66.83	_____

Total listed costs for Field Operations and Materials and Services 147.49 _____
 Interest on Operations Capital \$ 101.64 cash expense @ 6.50% for 6.0 mo. 3.30 _____

Total Operating and Use Related Ownership Costs 150.79 _____

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests) 25.00 _____
 Real Estate Opportunity^ \$ 3,900 per acre @ 3.00% 117.00 _____
 Real Estate Taxes \$ 3,900 per acre @ 1.40% 54.60 _____

Total Cost per Acre Including Overhead 347.39 _____

Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs. 55.92 _____

Cost of production per ton 105.27 _____

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 52-Millet-Proso, Panhandle, Stubble Mulch Fallow, Followed by Wheat, Two Crops in Three Years, 22 cwt Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Sweep Plow	1		2.20	3.04	0.19	0.75	10.16	2.91	19.25	
3 Rod Weeder	1		1.89	1.78	0.18	0.77	9.62	3.09	17.33	
4 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
5 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
6 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7 Windrow Grain	1		2.50	2.20	0.96	1.35	3.54	1.40	11.95	
*8 Combine Small Grain	63		1.33	2.23	1.81	0.28	10.04	3.33	19.02	
9 Truck	Custom									
Total for Field Operations			12.97	12.06	3.25	10.87	41.60	21.58	102.33	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00		
2,4-D Ester LV4	Herbicide	1	100%	1.5	pint	4.25	6.38		
21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77		
28-0-0	Fertilizer	4	100%	45	lbs N	1.03	46.50		
Millet (Proso)	Seed	5	100%	12	pound	0.75	9.00		
Scorch	Herbicide	6	100%	1	pint	8.75	8.75		
Haul Grain (Millet)	Custom	9	100%	22	cwt	0.26	5.72		
Crop Insurance							9.00	9.00	
Total Materials & Services								96.12	

* Harvest factor adjustment used on costs

Total listed costs for Field Operations and Materials and Services							198.45	
Interest on Operations Capital	\$ 135.27	cash expense @	6.50%	for 6.0 mo.			4.40	
Total Operating and Use Related Ownership Costs							202.85	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							25.00	
Real Estate Opportunity^	Dryland (Panhandle)	\$ 745	per acre @	3.00%			22.35	
Real Estate Taxes		\$ 745	per acre @	1.40%			10.43	
Total Cost per Acre Including Overhead							260.63	
Cash Cost per cwt	^Ownership and RE Opportunity not included in cash costs.						7.96	
Cost of production per cwt							11.85	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 53-Millet-Proso, Panhandle, No Till, 22 cwt Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
4 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5 Windrow Grain	1		2.50	2.20	0.96	1.35	3.54	1.40	11.95	
*6 Combine Small Grain	63		1.33	2.23	1.81	0.28	10.04	3.33	19.02	
7 Truck	Custom									
Total for Field Operations			8.88	7.24	2.88	9.35	21.82	15.58	65.75	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
2,4-D Ester LV4	Herbicide	1	100%	1.5 pint	4.25	6.38	
21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77	
28-0-0	Fertilizer	2	100%	45 lbs N	1.03	46.50	
Glyphosate 5# w/Surfactant	Herbicide	4	100%	20 ounce	0.31	6.25	
Scorch	Herbicide	4	100%	1 pint	8.75	8.75	
Millet (Proso)	Seed	3	100%	12 pound	0.75	9.00	
Haul Grain (Millet)	Custom	7	100%	22 cwt	0.26	5.72	
Crop Insurance					9.00	9.00	
Total Materials & Services						102.37	

* Harvest factor adjustment used on costs

Total listed costs for Field Operations and Materials and Services		168.12
Interest on Operations Capital \$ 130.72 cash expense @ 6.50% for 6.0 mo.		4.25
Total Operating and Use Related Ownership Costs		172.37
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Dryland (Panhandle) \$ 745 per acre @ 3.00%		22.35
Real Estate Taxes \$ 745 per acre @ 1.40%		10.43
Total Cost per Acre Including Overhead		230.15
Cash Cost per cwt	^Ownership and RE Opportunity not included in cash costs.	7.75
Cost of production per cwt		10.46

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 54-Oats, No Till, 85 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
2	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
*4	Combine Small Grain	136		2.88	4.82	3.91	0.61	21.73	7.21	41.16	
5	Truck	Custom									
Total for Field Operations				6.98	7.28	4.00	7.22	28.51	16.04	70.03	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								28-0-0
Oats	Seed	2	100%	2 bushel	11.00	22.00		
10-34-0	Fertilizer	2	100%	6 gallon	4.20	25.20		
Aim 2EC	Herbicide	3	100%	0.5 ounce	6.88	3.44		
NIS	Additive	3	100%	6 ounce	0.20	1.22		
2,4-D Amine	Herbicide	3	100%	1 pint	3.00	3.00		
Haul Grain Bushels	Custom	5	100%	85 bushel	0.13	11.05		
	Crop Insurance				13.00	13.00		
Total Materials & Services							182.24	

* Harvest factor adjustment used on costs

Total listed costs for Field Operations and Materials and Services	252.27
Interest on Operations Capital \$ 207.72 cash expense @ 6.50% for 6.0 mo.	6.75
Total Operating and Use Related Ownership Costs	259.02

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)	25.00
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%	117.00
Real Estate Taxes \$ 3,900 per acre @ 1.40%	54.60
Total Cost per Acre Including Overhead	455.62

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	3.46
Cost of production per bushel	5.36

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 55-Pasture, Grazing, 11 AUM Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 18 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
Pivot D 125' Lift w/fertigation	18	ai	20.83	147.11	6.27	8.00	11.91	28.48	222.60	
Total for Field Operations			20.83	147.11	6.27	8.00	11.91	28.48	222.60	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
28-0-0	Fertilizer	1	100%	220 lbs N	1.03	227.33	
Fence/Water Repairs	Other		100%	1 acre	2.00	2.00	
Fence/Water Repairs	Other		1	1 acre	2.00	2.00	
Move Cattle	Other		1	1 hour	25.00	25.00	
Pasture, Range, & Forage Insurance	Other		100%	1 acre	1.00	1.00	
Total Materials & Services						257.33	

Total listed costs for Field Operations and Materials and Services		479.93
Interest on Operations Capital \$ 439.54	cash expense @ 6.50% for 6.0 mo.	14.29
Total Operating and Use Related Ownership Costs		494.22
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^	Pivot (Marginal Land) \$ 5,235 per acre @ 3.00%	157.05
Real Estate Taxes	\$ 5,235 per acre @ 1.40%	73.29
Total Cost per Acre Including Overhead		749.56
Cash Cost per AUM	^Ownership and RE Opportunity not included in cash costs.	50.19
Cost of production per AUM		68.14

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 56-Peas, Panhandle, No Till, 35 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
*3	Combine Small Grain	70		1.48	2.48	2.01	0.32	11.18	3.71	21.19	
4	Truck	Custom									
Total for Field Operations				4.63	4.59	2.08	6.63	16.50	7.50	41.94	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Peas with inoculant	Seed	1	100%	3	bushel	28.00	84.00	
Sharpen	Herbicide	2	100%	2	ounce	7.30	14.61	
Glyphosate 5# w/Surfactant	Herbicide	2	100%	32	ounce	0.31	10.00	
21-0-0-24S	Additive	2	100%	1.7	pound	0.45	0.77	
Haul Grain Bushels	Custom	4	100%	35	bushel	0.13	4.55	
	Crop Insurance					14.00	14.00	
Total Materials & Services							127.93	

* Harvest factor adjustment used on costs

Total listed costs for Field Operations and Materials and Services		169.87
Interest on Operations Capital \$ 145.86 cash expense @ 6.50% for 6.0 mo.		4.74
Total Operating and Use Related Ownership Costs		174.61

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ <input type="text" value="Dryland (Panhandle)"/> \$ 745 per acre @ 3.00%		22.35
Real Estate Taxes \$ 745 per acre @ 1.40%		10.43
Total Cost per Acre Including Overhead		232.39

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		5.32
Cost of production per bushel		6.64

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 57-Sorghum-Sudan, Annually Planted, Conventional Tillage, Large Round Bales, 5 ton Yield
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	_____
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	_____
3 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	_____
4 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	_____
5 Swath/Condition Hay	1		2.50	2.20	0.96	0.86	3.54	6.09	16.15	_____
6 Bale Large Round	5	ton	11.46	5.28	0.25	9.93	20.08	13.26	60.26	_____
7 Move Large Round	5	ton	6.55	4.19	0.14	0.00	11.48	0.56	22.92	_____
Total for Field Operations			28.01	19.54	1.79	18.88	60.52	31.43	160.17	_____

Materials & Services	Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
							28-0-0
Sorghum Sudan	Seed	4	100%	10 pound	1.00	10.00	_____
Twine Large Round	Other	6	100%	5 ton	1.95	9.75	_____
Total Materials & Services						81.75	_____

Total listed costs for Field Operations and Materials and Services						241.92	_____
Interest on Operations Capital \$ 149.97 cash expense @ 6.50% for 6.0 mo.						4.87	_____
Total Operating and Use Related Ownership Costs						246.79	_____
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						25.00	_____
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%						117.00	_____
Real Estate Taxes \$ 3,900 per acre @ 1.40%						54.60	_____
Total Cost per Acre Including Overhead						443.39	_____
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.						46.89	_____
Cost of production per ton						88.68	_____

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 58-Soybeans, Roundup Ready 2 Yield®, Conventional Tillage, after Corn, 45 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6 Aerial Spray		Custom								
7 Aerial Spray		Custom								
*8 Combine Dryland SB	90		1.90	3.20	2.58	0.41	14.38	4.77	27.25	
9 Truck		Custom								
Total for Field Operations			11.15	10.86	3.05	11.14	42.22	21.75	100.18	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
Zidua Pro	Herbicide	3	100%	5.25	ounce	4.61	24.20	
RR2 Soybeans	Seed	4	100%	1	bag	65.00	65.00	
Soybean Seed Inoculant	Inoculant	4	100%	1	acre	7.00	7.00	
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32	ounce	0.31	10.00	
Select Max	Herbicide	5	100%	6	ounce	0.96	5.77	
FlexStar GT	Herbicide	5	100%	3	pints	6.88	20.63	
21-0-0-24S	Additive	5	100%	1.7	pound	0.45	0.77	
Aerial Spray	Custom	6	20%	1	acre	10.00	2.00	
** Warrior II/Zeon	Insecticide	6	20%	1.6	ounce	3.13	1.00	
Aerial Spray	Custom	7	10%	1	acre	10.00	1.00	
Quilt Xcel	Fungicide	7	10%	10.5	ounce	1.88	1.97	
Haul Grain Bushels	Custom	9	100%	45	bushel	0.13	5.85	
Scouting Dryland Soybeans	Scouting		100%	1	acre	8.00	8.00	
	Crop Insurance					32.00	32.00	
Total Materials & Services							185.19	

* Harvest factor adjustment used on costs

** Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		285.37
Interest on Operations Capital \$ 221.40	cash expense @ 6.50% for 6.0 mo.	7.20
Total Operating and Use Related Ownership Costs		292.57
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (State) \$ 3,900 per acre @ 3.00%	117.00
Real Estate Taxes	\$ 3,900 per acre @ 1.40%	54.60
Total Cost per Acre Including Overhead		494.17
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	6.96
Cost of production per bushel		10.98

~See benefits of soybeans in a corn/soybean rotation

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 59-Soybeans, Roundup Ready 2 Yield®, No Till, after Corn, 50 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.8		0.76	0.28	0.01	0.89	1.17	1.61	4.72	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Plant No-Till			3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Aerial Spray	Custom									
6	Aerial Spray	Custom									
*7	Combine Dryland SB	100		2.12	3.56	2.87	0.45	15.98	5.30	30.28	
8	Truck	Custom									
Total for Field Operations				7.78	6.03	2.98	9.48	24.89	19.18	70.34	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate	
	Glyphosate 5# w/Surfactant	Herbicide	1	80%	32 ounce		0.31	8.00		
**	2,4-D Ester LV4	Herbicide	1	80%	1 pint		4.25	3.40		
	21-0-0-24S	Additive	1	80%	1.7 pound		0.45	0.61		
	Authority MTZ	Herbicide	2	100%	16 ounce		2.50	40.00		
	Glyphosate 5# w/Surfactant	Herbicide	2	100%	32 ounce		0.31	10.00		
	21-0-0-24S	Additive	2	100%	1.7 pound		0.45	0.77		
	RR2 Soybeans	Seed	3	100%	1 bag		65.00	65.00		
	Soybean Seed Inoculant	Inoculant	3	100%	1 acre		7.00	7.00		
	Glyphosate 5# w/Surfactant	Herbicide	4	100%	32 ounce		0.31	10.00		
	Select Max	Herbicide	4	100%	6 ounce		0.96	5.77		
	Warrant Ultra	Herbicide	4	100%	48 ounce		0.48	23.25		
	21-0-0-24S	Additive	4	100%	1.7 pound		0.45	0.77		
	Aerial Spray	Custom	5	20%	1 acre		10.00	2.00		
***	Warrior II/Zeon	Insecticide	5	20%	1.6 ounce		3.13	1.00		
	Aerial Spray	Custom	6	10%	1 acre		10.00	1.00		
	Approach Prima	Fungicide	6	10%	5 ounce		2.27	1.13		
	Haul Grain Bushels	Custom	8	100%	50 bushel		0.13	6.50		
	Scouting Dryland Soybeans	Scouting		100%	1 acre		8.00	8.00		
	Crop Insurance						32.00	32.00		
Total Materials & Services									226.20	

* Harvest factor adjustment used on costs

** Minimum 7 days prior to planting

***Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials & Services		296.54
Interest on Operations Capital \$ 252.47 cash expense @ 6.50% for 6.0 mo.		8.21
Total Operating and Use Related Ownership Costs		304.75
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ <input type="text" value="Dryland (State)"/> \$ 3,900 per acre @ 3.00%		117.00
Real Estate Taxes \$ 3,900 per acre @ 1.40%		54.60
Total Cost per Acre Including Overhead		506.35
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		6.91
Cost of production per bushel		10.13

~See benefits of soybeans in a corn/soybean rotation

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 60-Soybeans, Roundup Ready 2 Yield®, No Till, Continuous, 45 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
*6 Combine Dryland SB	90		1.90	3.20	2.58	0.41	14.38	4.77	27.25	
7 Truck	Custom									
Total for Field Operations			6.80	5.39	2.68	8.55	22.12	17.04	62.59	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Fierce MTZ
** 2,4-D Ester LV4	Herbicide	1	100%	1 pint	4.25	4.25		
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.31	10.00		
21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77		
RR2 Soybeans	Seed	2	100%	1 bag	65.00	65.00		
Soybean Seed Inoculant	Inoculant	2	100%	1 acre	7.00	7.00		
FlexStar GT	Herbicide	3	100%	3 pint	6.88	20.63		
21-0-0-24S	Additive	3	100%	1.7 pound	0.45	0.77		
Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
*** Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	3.13	1.00		
Aerial Spray	Custom	5	10%	1 acre	10.00	1.00		
Lucento	Fungicide	5	10%	3 ounce	4.49	1.35		
Haul Grain Bushels	Custom	7	100%	45 bushel	0.13	5.85		
Scouting Dryland Soybeans	Scouting		100%	1 acre	8.00	8.00		
	Crop Insurance				32.00	32.00		
Total Materials & Services							201.03	

* Harvest factor adjustment used on costs

** Minimum 7 days prior to planting

***Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		263.62
Interest on Operations Capital \$ 224.46	cash expense @ 6.50% for 6.0 mo.	7.29
Total Operating and Use Related Ownership Costs		270.91
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (State) \$ 3,900 per acre @ 3.00%	117.00
Real Estate Taxes	\$ 3,900 per acre @ 1.40%	54.60
Total Cost per Acre Including Overhead		472.51
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	7.03
Cost of production per bushel		10.50

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 61-Soybeans, Roundup Ready 2 Yield®, Conventional Tillage, after Corn, 67 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 9 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Pivot D 125' Lift	9	ai	7.81	73.56	3.14	22.83	5.95	12.53	125.82	
6 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7 Aerial Spray		Custom								
8 Aerial Spray		Custom								
*9 Combine Irr SB	134		2.83	4.77	3.85	0.85	21.41	9.99	43.70	
10 Truck		Custom								
Total for Field Operations			19.89	85.99	7.46	34.41	55.20	39.50	242.45	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Authority Supreme	Herbicide	3	100%	6 ounce		4.53	27.19		
RR2 Soybeans	Seed	4	100%	1 bag		65.00	65.00		
Soybean Seed Inoculant	Inoculant	4	100%	1 acre		7.00	7.00		
Glyphosate 5# w/Surfactant	Herbicide	6	100%	32 ounce		0.31	10.00		
Select Max	Herbicide	6	100%	6 ounce		0.96	5.77		
Warrant Ultra	Herbicide	6	100%	48 ounce		0.48	23.25		
21-0-0-24S	Additive	6	100%	1.7 pound		0.45	0.77		
Aerial Spray	Custom	7	20%	1 acre		10.00	2.00		
** Warrior II/Zeon	Insecticide	7	20%	1.6 ounce		3.13	1.00		
Aerial Spray	Custom	8	30%	1 acre		10.00	3.00		
Priaxor	Fungicide	8	30%	4 ounce		4.53	5.44		
Haul Grain Bushels	Custom	10	100%	67 bushel		0.13	8.71		
Scouting Irrigated Soybeans	Scouting		100%	1 acre		13.00	13.00		
	Crop Insurance					9.00	9.00		
Total Materials & Services								181.13	

* Harvest factor adjustment used on costs

**Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		423.58
Interest on Operations Capital \$ 328.88 cash expense @ 6.50% for 6.0 mo.		10.69
Total Operating and Use Related Ownership Costs		434.27
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ <input type="text" value="Pivot (State)"/> \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		804.39

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	7.13
Cost of production per bushel	12.01

~See benefits of soybeans in a corn/soybean rotation

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**2023 Budget 62-Soybeans, Roundup Ready 2 Yield®, Ridge Till, after Corn, 70 bushel Yield
Gravity Irrigated Diesel, fed by a well, 12 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Burndown Herbicide	0.75		0.71	0.26	0.01	0.83	1.10	1.51	4.42	
2	Ridge Plant and Band Herbicide	1		3.00	1.50	0.23	6.80	12.69	4.21	28.43	
3	Ridge Cultivation	1		2.50	2.35	0.23	1.87	12.69	5.18	24.82	
4	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
5	Pipe D 125' Lift	12	ai	27.78	71.18	3.29	1.60	7.38	2.60	113.83	
6	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
*9	Combine Irr SB	140		2.96	4.98	4.02	0.89	22.37	10.44	45.66	
10	Truck	Custom									
Total for Field Operations				40.65	82.97	7.86	14.97	62.51	31.14	240.10	

	Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
					Rate	Unit			
	Glyphosate 5# w/Surfactant	Herbicide	1	75%	32	ounce	0.31	7.50	
**	2,4-D Ester LV4	Herbicide	1	75%	1	pint	4.25	3.19	
	21-0-0-24S	Additive	1	75%	1.7	pound	0.45	0.57	
	Zidua Pro	Herbicide	2	33%	5.25	ounce	4.61	7.99	
	RR2 Soybeans	Seed	2	100%	1	bag	65.00	65.00	
	Soybean Seed Inoculant	Inoculant	2	100%	1	acre	7.00	7.00	
	Glyphosate 5# w/Surfactant	Herbicide	6	50%	32	ounce	0.31	5.00	
	21-0-0-24S	Additive	6	50%	1.7	pound	0.45	0.38	
	Select Max	Herbicide	6	75%	6	ounce	0.96	4.32	
	FlexStar GT	Herbicide	6	100%	3	pints	6.88	20.63	
	Crop Oil Concentrate	Additive	6	100%	2	pint	1.50	3.00	
	Aerial Spray	Custom	7	20%	1	acre	10.00	2.00	
***	Warrior II/Zeon	Insecticide	7	20%	1.6	ounce	3.13	1.00	
	Aerial Spray	Custom	8	30%	1	acre	10.00	3.00	
	Stratego YLD	Fungicide	8	30%	4	ounce	5.00	6.00	
	Haul Grain Bushels	Custom	10	100%	70	bushel	0.13	9.10	
	Scouting Irrigated Soybeans	Scouting			1	1 acre	13.00	13.00	
	Crop Insurance						9.00	9.00	
Total Materials & Services									167.68

* Harvest factor adjustment used on costs ** Minimum 7 days prior to planting ***Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services	407.78
Interest on Operations Capital \$ 314.13 cash expense @ 6.50% for 6.0 mo.	10.21
Total Operating and Use Related Ownership Costs	417.99

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)	30.00
Real Estate Opportunity^ Gravity (State) \$ 7,055 per acre @ 3.00%	211.65
Real Estate Taxes \$ 7,055 per acre @ 1.40%	98.77
Total Cost per Acre Including Overhead	758.41

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	6.47
Cost of production per bushel	10.83

^See benefits of soybeans in a corn/soybean rotation

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 63-Soybeans, Roundup Ready 2 Xtend® Treated, No Till, Narrow Row after Corn, 75 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Plant Narrow Row	1		3.00	1.14	0.06	9.25	4.82	5.49	23.76	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
*7 Combine Irr SB	150		3.17	5.34	4.31	0.95	23.96	11.18	48.92	
8 Truck	Custom									
Total for Field Operations			13.28	56.22	6.50	27.64	35.67	29.06	168.38	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate 5# w/Surfactant	1	75%	32	ounce	0.31	7.50	
Engenia	1	75%	12.8	ounce	1.17	11.25	
21-0-0-24S	1	75%	1.7	pound	0.45	0.57	
Authority MTZ	1	100%	16	ounce	2.50	40.00	
RR2 Soybeans Xtend Treated	2	100%	1	bag	80.00	80.00	
Soybean Seed Inoculant	2	100%	1	acre	7.00	7.00	
Engenia	3	100%	12.8	ounce	1.17	15.00	
Glyphosate 5# w/Surfactant	3	100%	32	ounce	0.31	10.00	
Select Max	3	100%	6	ounce	0.96	5.77	
Approved adjuvant	3	100%	1	acre	2.25	2.25	
Aerial Spray	4	20%	1	acre	10.00	2.00	
** Warrior II/Zeon	4	20%	1.6	ounce	3.13	1.00	
Aerial Spray	5	40%	1	acre	10.00	4.00	
Miravis Top	5	40%	13.7	ounce	1.48	8.13	
Haul Grain Bushels	8	100%	75	bushel	0.13	9.75	
Scouting Irrigated Soybeans		100%	1	acre	13.00	13.00	
Crop Insurance					9.00	9.00	
Total Materials & Services						226.22	

* Harvest factor adjustment used on costs

** Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		394.60
Interest on Operations Capital \$ 329.86 cash expense @ 6.50% for 6.0 mo.		10.72
Total Operating and Use Related Ownership Costs		405.32
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (State) \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		775.44
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		6.38
Cost of production per bushel		10.34

~See benefits of soybeans in a corn/soybean rotation

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**2023 Budget 64-Soybeans, Roundup Ready 2 Yield® Treated, No Till, Narrow Row, Continuous, 64 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Plant Narrow Row	1		3.00	1.14	0.06	9.25	4.82	5.49	23.76	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
*7 Combine Irr SB	128		2.71	4.55	3.68	0.81	20.45	9.54	41.74	
8 Truck	Custom									
Total for Field Operations			12.82	55.43	5.87	27.50	32.16	27.42	161.20	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	80%	32 ounce	0.31	8.00		
** 2,4-D Ester LV4	Herbicide	1	80%	1 pint	4.25	3.40		
21-0-0-24S	Additive	1	80%	1.7 pound	0.45	0.61		
Fierce MTZ	Herbicide	1	100%	1.25 pint	33.13	41.41		
RR2 Soybeans Treated	Seed	2	100%	1 bag	78.00	78.00		
Soybean Seed Inoculant	Inoculant	2	100%	1 acre	7.00	7.00		
Roundup PowerMax 3	Herbicide	3	100%	32 ounce	0.43	13.75		
Warrant	Herbicide	3	100%	3 pints	2.69	8.06		
21-0-0-24S	Additive	3	100%	1.7 pound	0.45	0.77		
Aerial Spray	Custom	4	20%	1 acre	10.00	2.00		
*** Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	3.13	1.00		
Aerial Spray	Custom	5	40%	1 acre	10.00	4.00		
Lucento	Fungicide	5	40%	3 ounce	4.49	5.39		
Haul Grain Bushels	Custom	8	100%	64 bushel	0.13	8.32		
Scouting Irrigated Soybeans	Scouting		100%	1 acre	13.00	13.00		
Crop Insurance						9.00	9.00	
Total Materials & Services						203.71		

* Harvest factor adjustment used on costs ** Minimum 7 days prior to planting ***Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		364.91
Interest on Operations Capital \$ 305.33 cash expense @ 6.50% for 6.0 mo.		9.92
Total Operating and Use Related Ownership Costs		374.83
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (State)	\$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		744.95

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	7.09
Cost of production per bushel	11.64

~Cost to replace P₂O₅ - 0.8 lbs/bushel of yield produced

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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**2023 Budget 65-Soybeans, LibertyLink® Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
*7 Combine Irr SB	156		3.30	5.55	4.48	0.99	24.92	11.63	50.87	
8 Truck	Custom									
Total for Field Operations			12.61	57.05	6.66	23.63	35.67	25.79	161.41	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	80%	32	ounce	0.31	8.00		
** 2,4-D Ester LV4	Herbicide	1	80%	1	pint	4.25	3.40		
21-0-0-24S	Additive	1	80%	1.7	pound	0.45	0.61		
Zidua Pro	Herbicide	1	100%	5.25	ounce	4.61	24.20		
Soybeans - LiberyLink Treated	Seed	2	100%	1	k seed	78.00	78.00		
Soybean Seed Inoculant	Inoculant	2	100%	1	acre	7.00	7.00		
Liberty 280	Herbicide	3	100%	43	ounce	0.63	26.88		
AMS	Additive	3	100%	48	ounce	0.03	1.35		
Select Max	Herbicide	3	100%	6	ounce	0.96	5.77		
Approved adjuvant	Additive	3	100%	1	acre	2.25	2.25		
Aerial Spray	Custom	4	20%	1	acre	10.00	2.00		
*** Warrior II/Zeon	Insecticide	4	20%	1.6	ounce	3.13	1.00		
Aerial Spray	Custom	5	50%	1	acre	10.00	5.00		
Stratego YLD	Fungicide	5	50%	4	ounce	5.00	10.00		
Haul Grain Bushels	Custom	8	100%	78	bushel	0.13	10.14		
Scouting Irrigated Soybeans	Scouting		100%	1	acre	13.00	13.00		
Crop Insurance						9.00	9.00		
Total Materials & Services								207.60	

* Harvest factor adjustment used on costs

** Minimum 7 days prior to planting

***Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		369.01
Interest on Operations Capital \$ 307.55	cash expense @ 6.50% for 6.0 mo.	10.00
Total Operating and Use Related Ownership Costs		379.01
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Pivot (State) \$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		749.13
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	5.84
Cost of production per bushel		9.60

~See benefits of soybeans in a corn/soybean rotation

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**2023 Budget 66-Soybeans, Enlist E3™ Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
*7 Combine Irr SB	156		3.30	5.55	4.48	0.99	24.92	11.63	50.87	
8 Truck	Custom									
Total for Field Operations			12.61	57.05	6.66	23.63	35.67	25.79	161.41	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	80%	32	ounce	0.31	8.00		
Enlist One	Herbicide	1	80%	1.5	pint	7.25	8.70		
21-0-0-24S	Additive	1	80%	1.7	pound	0.45	0.61		
Authority Supreme	Herbicide	1	100%	6	ounce	4.53	27.19		
Soybeans Enlist E3 Treated	Seed	2	100%	1	k seed	78.00	78.00		
Soybean Seed Inoculant	Inoculant	2	100%	1	acre	7.00	7.00		
Enlist DUO	Herbicide	3	100%	76	ounce	0.35	26.72		
Liberty 280	Herbicide	3	50%	43	ounce	0.63	13.44		
Select Max	Herbicide	3	100%	6	ounce	0.96	5.77		
Approved adjuvant	Additive	3	100%	1	acre	2.25	2.25		
Aerial Spray	Custom	4	20%	1	acre	10.00	2.00		
** Warrior II/Zeon	Insecticide	4	20%	1.6	ounce	3.13	1.00		
Aerial Spray	Custom	5	50%	1	acre	10.00	5.00		
Trivapro	Fungicide	5	50%	13.7	ounce	1.76	12.04		
Haul Grain Bushels	Custom	8	100%	78	bushel	0.13	10.14		
Scouting Irrigated Soybeans	Scouting		100%	1	acre	13.00	13.00		
Crop Insurance						9.00	9.00		
Total Materials & Services								229.86	

* Harvest factor adjustment used on costs

** Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		391.27
Interest on Operations Capital \$ 329.81	cash expense @ 6.50% for 6.0 mo.	10.72
Total Operating and Use Related Ownership Costs		401.99
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Pivot (State) \$ 7,730 per acre @ 3.00%	231.90
Real Estate Taxes	\$ 7,730 per acre @ 1.40%	108.22
Total Cost per Acre Including Overhead		772.11
Cash Cost per bushel	^Ownership and RE Opportunity not included in cash costs.	6.14
Cost of production per bushel		9.90

~See benefits of soybeans in a corn/soybean rotation

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**2023 Budget 67-Soybeans, Roundup Ready 2 Xtend® Treated, No Till Drilled 7.5-inch Rows, after Corn, 78 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Burndown Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
6 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
*7 Combine Irr SB	156		3.30	5.55	4.48	0.99	24.92	11.63	50.87	
8 Truck	Custom									
Total for Field Operations			12.61	57.05	6.66	23.63	35.67	25.79	161.41	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Glyphosate 5# w/Surfactant	Herbicide	1	80%	32	ounce	0.31	8.00		
XtendiMax	Herbicide	1	80%	22	ounce	0.57	10.04		
21-0-0-24S	Additive	1	80%	1.7	pound	0.45	0.61		
Zidua Pro	Herbicide	1	100%	5.25	ounce	4.61	24.20		
RR2 Soybeans Xtend Treated	Seed	2	100%	1	bag	80.00	80.00		
Soybean Seed Inoculant	Inoculant	2	100%	1	acre	7.00	7.00		
XtendiMax	Herbicide	3	100%	22	ounce	0.57	12.55		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32	ounce	0.31	10.00		
Select Max	Herbicide	3	100%	6	ounce	0.96	5.77		
Approved adjuvant	Additive	3	100%	1	acre	2.25	2.25		
Aerial Spray	Custom	4	20%	1	acre	10.00	2.00		
** Warrior II/Zeon	Insecticide	4	20%	1.6	ounce	3.13	1.00		
Aerial Spray	Custom	5	50%	1	acre	10.00	5.00		
Revytek	Fungicide	5	50%	8	ounce	3.13	12.50		
Haul Grain Bushels	Custom	8	100%	78	bushel	0.13	10.14		
Scouting Irrigated Soybeans	Scouting		100%	1	acre	13.00	13.00		
	Crop Insurance					9.00	9.00		
Total Materials & Services								213.06	

* Harvest factor adjustment used on costs

** Insecticide for Aphids and Caterpillars

Total listed costs for Field Operations and Materials and Services		374.47
Interest on Operations Capital \$ 313.01 cash expense @ 6.50% for 6.0 mo.		10.17
Total Operating and Use Related Ownership Costs		384.64
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (State) \$ 7,730 per acre @ 3.00%		231.90
Real Estate Taxes \$ 7,730 per acre @ 1.40%		108.22
Total Cost per Acre Including Overhead		754.76
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		5.92
Cost of production per bushel		9.68

~See benefits of soybeans in a corn/soybean rotation

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 68-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 30 ton Yield
Gravity Irrigated, fed by canal, 20 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Spray Herbicide	Custom									
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Rotary Hoe	1		1.88	1.10	0.04	0.42	3.29	1.44	8.17	
6 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
7 Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
8 Spray Herbicide	Custom									
9 Ditch Irrigation	20	ai	27.78	0.00	6.86	0.00	15.37	0.00	50.01	
10 Spray Herbicide	Custom									
11 Aerial Spray	Custom									
12 Aerial Spray	Custom									
13 Top Beets	1		4.32	2.66	0.10	7.68	8.33	4.60	27.69	
14 Lift Beets	1		4.58	4.54	0.39	29.83	21.16	12.08	72.58	
15 Truck	Custom									
16 Subsoil / One-pass Tillage	1		2.78	4.04	0.26	3.66	14.11	5.18	30.03	
Total for Field Operator			53.06	20.99	8.05	51.75	89.38	48.31	271.54	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	2	100%	13.4	gallon	4.20	56.28	
28-0-0	Fertilizer	2	100%	125	lbs N	1.03	129.17	
Spray	Custom	3, 8, 10	300%	1	acre	8.50	25.50	
Nortron SC	Herbicide	3	100%	48	ounce	0.91	43.50	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36	ounce	0.31	11.25	
21-0-0-24S	Additive	3	100%	1.7	pound	0.45	0.77	
Sugar Beets RR Poncho	Seed	4	100%	1	acre	195.00	195.00	
Glyphosate 5# w/Surfactant	Herbicide	8	100%	36	ounce	0.31	11.25	
Outlook	Herbicide	8	100%	13	ounce	1.35	17.57	
21-0-0-24S	Additive	8	100%	1.7	pound	0.45	0.77	
Irrigation District O&M Charge	Other	9	100%	1	acre	35.00	35.00	
Glyphosate 5# w/Surfactant	Herbicide	10	100%	36	ounce	0.31	11.25	
Dual Magnum	Herbicide	10	100%	1	pint	9.38	9.38	
21-0-0-24S	Additive	10	100%	1.7	pound	0.45	0.77	
Aerial Spray	Custom	11	100%	1	acre	10.00	10.00	
Quadris	Fungicide	11	100%	7	ounce	1.88	13.13	
Aerial Spray	Custom	12	50%	1	acre	10.00	5.00	
Proline 480 SC	Fungicide	12	50%	5	ounce	5.39	13.48	
Haul Beets	Custom	15	100%	30	ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1	acre	17.00	17.00	
Crop Insurance						45.00	45.00	
Total Materials & Services							801.07	

Total listed costs for Field Operations and Materials and Services							1072.61	
Interest on Operations Capital \$ 934.92 cash expense @ 6.50% for 6.0 mo.							30.38	
Total Operating and Use Related Ownership Costs							1102.99	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00	
Real Estate Opportunity^ Gravity (Panhandle) \$ 3,370 per acre @ 3.00%							101.10	
Real Estate Taxes \$ 3,370 per acre @ 1.40%							47.18	
Total Cost per Acre Including Overhead							1281.27	
Cash Cost per ton ^Ownership and RE Opportunity not included in cash costs.							34.75	
Cost of production per ton							42.71	

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 69-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 30 ton Yield
Gravity Irrigated, fed by canal, 20 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3	Spray Herbicide	Custom									
4	Plow	1		4.30	4.13	0.37	2.17	19.84	0.99	31.80	
5	Roller Harrow	1		2.50	2.20	0.06	1.06	4.82	3.08	13.72	
6	Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
7	Field Cultivation	2		3.67	4.81	0.31	3.17	16.93	3.60	32.49	
8	Ridge Cultivate/Ditch	1		2.75	2.35	0.06	1.87	4.82	5.18	17.03	
9	Spray Herbicide	Custom									
10	Ditch Irrigation	20	ai	27.78	0.00	6.86	0.00	15.37	0.00	50.01	
11	Spray Herbicide	Custom									
12	Aerial Spray	Custom									
13	Aerial Spray	Custom									
14	Top Beets	1		4.32	2.66	0.10	7.68	8.33	4.60	27.69	
15	Lift Beets	1		4.58	4.54	0.39	29.83	21.16	12.08	72.58	
16	Truck	Custom									
17	Subsoil / One-pass Tillage	1		2.78	4.04	0.26	3.66	14.11	5.18	30.03	
Total for Field Operations				59.15	29.63	8.70	56.66	123.30	50.89	328.33	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
10-34-0	Fertilizer	2	100%	13.4	gallon	4.20	56.28	
28-0-0	Fertilizer	2	100%	125	lbs N	1.03	129.17	
Spray	Custom	3, 9, & 11	300%	1	acre	8.50	25.50	
Nortron SC	Herbicide	3	100%	48	ounce	0.91	43.50	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36	ounce	0.31	11.25	
21-0-0-24S	Additive	3	100%	1.7	pound	0.45	0.77	
Sugar Beets RR Poncho	Seed	6	100%	1	acre	195.00	195.00	
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36	ounce	0.31	11.25	
Outlook	Herbicide	9	100%	13	ounce	1.35	17.57	
21-0-0-24S	Additive	9	100%	1.7	pound	0.45	0.77	
Irrigation District O&M Charge	Other	10	100%	1	acre	35.00	35.00	
Glyphosate 5# w/Surfactant	Herbicide	11	100%	36	ounce	0.31	11.25	
Dual Magnum	Herbicide	11	100%	1	pint	9.38	9.38	
21-0-0-24S	Additive	11	100%	1.7	pound	0.45	0.77	
Aerial Spray	Custom	12	100%	1	acre	10.00	10.00	
Quadris	Fungicide	12	100%	7	ounce	1.88	13.13	
Aerial Spray	Custom	13	50%	1	acre	10.00	5.00	
Proline 480 SC	Fungicide	13	50%	5	ounce	5.39	13.48	
Haul Beets	Custom	16	100%	30	ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1	acre	17.00	17.00	
	Crop Insurance					45.00	45.00	
Total Materials & Services							801.07	

Total listed costs for Field Operations and Materials and Services		1129.40
Interest on Operations Capital \$ 955.21 cash expense @ 6.50% for 6.0 mo.		31.04
Total Operating and Use Related Ownership Costs		1160.44

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Gravity (Panhandle) \$ 3,370 per acre @ 3.00%		101.10
Real Estate Taxes \$ 3,370 per acre @ 1.40%		47.18
Total Cost per Acre Including Overhead		1338.72

Cash Cost per ton	<i>^Ownership and RE Opportunity not included in cash costs.</i>	35.45
Cost of production per ton		44.62

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 70-Sugarbeet, Roundup Ready®, Panhandle, One Pass Zone-Tillage, 30 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Spray Herbicide	Custom									
4 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
5 Row Crop Cultivation	1		2.50	1.40	0.05	1.07	4.38	3.65	13.05	
6 Spray Herbicide	Custom									
7 Pivot D 125' Lift	16	ai	13.89	130.76	5.58	40.58	10.59	22.27	223.67	
8 Spray Herbicide	Custom									
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Top Beets	1		4.32	2.66	0.10	7.68	8.33	4.60	27.69	
12 Lift Beets	1		4.58	4.54	0.39	29.83	21.16	12.08	72.58	
13 Truck	Custom									
14 Subsoil / One-pass Tillage	1		2.78	4.04	0.26	3.66	14.11	5.18	30.03	
Total for Field Operations			34.54	148.30	6.67	90.04	76.49	63.96	420.00	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
28-0-0	Fertilizer	2	100%	125 lbs N	1.03	129.17	
Spray	Custom	3, 6, and 8	300%	1 acre	8.50	25.50	
Nortron SC	Herbicide	3	100%	48 ounce	0.91	43.50	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	36 ounce	0.31	11.25	
21-0-0-24S	Additive	3	100%	1.7 pound	0.45	0.77	
Sugar Beets RR Poncho	Seed	4	100%	1 acre	195.00	195.00	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36 ounce	0.31	11.25	
Outlook	Herbicide	6	100%	13 ounce	1.35	17.57	
21-0-0-24S	Additive	6	100%	1.7 pound	0.45	0.77	
Glyphosate 5# w/Surfactant	Herbicide	8	100%	36 ounce	0.31	11.25	
Dual Magnum	Herbicide	8	100%	1 pint	9.38	9.38	
21-0-0-24S	Additive	8	100%	1.7 pound	0.45	0.77	
Aerial Spray	Custom	9	100%	1 acre	10.00	10.00	
Quadris	Fungicide	9	100%	7 ounce	1.88	13.13	
Aerial Spray	Custom	10	50%	1 acre	10.00	5.00	
Proline 480 SC	Fungicide	10	50%	5 ounce	5.39	13.48	
Haul Beets	Custom	13	100%	30 ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1 acre	30.00	30.00	
	Crop Insurance				45.00	45.00	
Total Materials & Services						779.07	

Total listed costs for Field Operations and Materials and Services						1199.07	
Interest on Operations Capital #####	cash expense @	6.50%	for 6.0 mo.			34.41	
Total Operating and Use Related Ownership Costs						1233.48	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)						30.00	
Real Estate Opportunity^	Pivot (Panhandle)	\$ 3,710	per acre @	3.00%		111.30	
Real Estate Taxes		\$ 3,710	per acre @	1.40%		51.94	
Total Cost per Acre Including Overhead						1426.72	
Cash Cost per ton	^Ownership and RE Opportunity not included in cash costs.					39.17	
Cost of production per ton						47.56	

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 71-Sugarbeet, Roundup Ready®, Panhandle, Conventional Tillage, 30 ton Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 16 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plow	1		4.30	4.13	0.37	2.17	19.84	0.99	31.80	
4 Roller Harrow	1		2.50	2.20	0.06	1.06	4.82	3.08	13.72	
5 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
6 Spray Herbicide	Custom									
7 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
8 Pivot D 125' Lift	16	ai	13.89	130.76	5.58	40.58	10.59	22.27	223.67	
9 Spray Herbicide	Custom									
10 Aerial Spray	Custom									
11 Aerial Spray	Custom									
12 Top Beets	1		4.32	2.66	0.10	7.68	8.33	4.60	27.69	
13 Lift Beets	1		4.58	4.54	0.39	29.83	21.16	12.08	72.58	
14 Truck	Custom									
15 Subsoil / One-pass Tillage	1		2.78	4.04	0.26	3.66	14.11	5.18	30.03	
Total for Field Operations			40.67	155.64	7.21	93.79	105.23	66.18	468.72	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	2	100%	13.4	gallon	4.20	56.28	
28-0-0	Fertilizer	2	100%	125	lbs N	1.03	129.17	
Spray	Custom	6 & 9	200%	1	acre	8.50	17.00	
Glyphosate 5# w/Surfactant	Herbicide	6	100%	36	ounce	0.31	11.25	
Outlook	Herbicide	6	100%	13	ounce	1.35	17.57	
21-0-0-24S	Additive	6	100%	1.7	pound	0.45	0.77	
Sugar Beets RR Poncho	Seed	5	100%	1	acre	195.00	195.00	
Glyphosate 5# w/Surfactant	Herbicide	9	100%	36	ounce	0.31	11.25	
Dual Magnum	Herbicide	9	100%	1	pint	9.38	9.38	
21-0-0-24S	Additive	9	100%	1.7	pound	0.45	0.77	
Aerial Spray	Custom	10	100%	1	acre	10.00	10.00	
Quadris	Fungicide	10	100%	7	ounce	1.88	13.13	
Aerial Spray	Custom	11	50%	1	acre	10.00	5.00	
Proline 480 SC	Fungicide	11	50%	5	ounce	5.39	13.48	
Haul Beets	Custom	14	100%	30	ton	5.00	150.00	
Scouting Sugar Beets	Scouting		100%	1	acre	17.00	17.00	
Crop Insurance						45.00	45.00	
Total Materials & Services							702.05	

Total listed costs for Field Operations and Materials and Services							1170.77	
Interest on Operations Capital \$ 999.36	cash expense @	6.50%	for 6.0 mo.				32.48	
Total Operating and Use Related Ownership Costs							1203.25	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							30.00	
Real Estate Opportunity^	Pivot (Panhandle)	\$ 3,710	per acre @	3.00%			111.30	
Real Estate Taxes		\$ 3,710	per acre @	1.40%			51.94	
Total Cost per Acre Including Overhead							1396.49	
Cash Cost per ton							37.13	
Cost of production per ton							46.55	

^Ownership and RE Opportunity not included in cash costs.

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 72-Sunflower, Clearfield, Panhandle, No Till, Following Corn or Grain Sorghum, 13 cwt Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
2 Spray Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
5 Aerial Spray	Custom									
*6 Combine Sunflowers	83		1.76	2.96	2.39	0.38	13.29	4.41	25.19	
7 Truck	Custom									
Total for Field Operations			6.65	5.16	2.49	7.70	21.03	19.70	62.73	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								Glyphosate 5# w/Surfactant
21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77		
Prowl H2O	Herbicide	1	100%	2 pint	7.25	14.50		
28-0-0	Fertilizer	1	100%	50 lbs N	1.03	51.67		
Spartan 4F	Herbicide	1	100%	5 ounce	1.95	9.77		
Glyphosate 5# w/Surfactant	Herbicide	2	50%	32 ounce	0.31	5.00		
21-0-0-24S	Additive	2	50%	1.7 pound	0.45	0.38		
Prowl H2O	Herbicide	2	50%	1 pint	7.25	3.63		
Sunflower Clearfield	Seed	3	100%	20 k seed	1.60	32.00		
Beyond	Herbicide	4	50%	4 ounce	4.53	9.06		
NIS	Additive	4	50%	5 ounce	0.20	0.51		
UAN	Additive	4	50%	3 pint	0.45	0.68		
Aerial Spray	Custom	5	30%	1 acre	10.00	3.00		
** Warrior II/Zeon	Insecticide	5	30%	1.92 ounce	3.13	1.80		
Haul Grain (Sunflower)	Custom	7	100%	13 cwt	0.32	4.16		
Crop Insurance						18.00	18.00	
Total Materials & Services							164.93	

* Harvest factor adjustment used on costs

**Insecticide for seed weevil and sunflower moth

Total listed costs for Field Operations and Materials and Services		227.66
Interest on Operations Capital \$ 186.92	cash expense @ 6.50% for 6.0 mo.	6.07
Total Operating and Use Related Ownership Costs		233.73
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^	Dryland (Panhandle) \$ 745 per acre @ 3.00%	22.35
Real Estate Taxes	\$ 745 per acre @ 1.40%	10.43
Total Cost per Acre Including Overhead		296.51
Cash Cost per cwt	^Ownership and RE Opportunity not included in cash costs.	17.96
Cost of production per cwt		22.81

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 73-Sunflower, Clearfield, Panhandle, Ecofallow, after Wheat, Two Crops in Three Years, 16 cwt Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray (Prior Year Stubble)	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
4 Spray Herbicide	0.5		0.47	0.18	0.01	0.55	0.73	1.01	2.95	
5 Plant	1		3.00	1.20	0.06	5.92	4.82	8.23	23.23	
6 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
7 Aerial Spray		Custom								
*8 Combine Sunflowers	102		2.17	3.64	2.94	0.46	16.36	5.43	31.00	
9 Truck		Custom								
Total for Field Operations			9.44	6.42	3.09	10.56	27.75	25.77	83.03	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
				Rate	Unit				
Landmaster BW	Herbicide	1	100%	54	ounce	0.23	12.23		
21-0-0-24S	Additive	1	100%	2	pound	0.45	0.90		
Glyphosate 5# w/Surfactant	Herbicide	2	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	2	100%	1.7	pound	0.45	0.77		
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32	ounce	0.31	10.00		
21-0-0-24S	Additive	3	100%	1.7	pound	0.45	0.77		
Prowl H2O	Herbicide	3	100%	2	pint	7.25	14.50		
28-0-0	Fertilizer	3	100%	60	lbs N	1.03	62.00		
Spartan 4F	Herbicide	3	100%	5	ounce	1.95	9.77		
Glyphosate 5# w/Surfactant	Herbicide	4	50%	32	ounce	0.31	5.00		
21-0-0-24S	Additive	4	50%	1.7	pound	0.45	0.38		
Prowl H2O	Herbicide	4	50%	1	pint	7.25	3.63		
Sunflower Clearfield	Seed	5	100%	20	k seed	1.60	32.00		
Beyond	Herbicide	6	50%	4	ounce	4.53	9.06		
NIS	Additive	6	50%	5	ounce	0.20	0.51		
UAN	Additive	6	50%	3	pint	0.45	0.68		
Aerial Spray	Custom	7	50%	1	acre	10.00	5.00		
** Warrior II/Zeon	Insecticide	7	50%	1.92	ounce	3.13	3.00		
Haul Grain (Sunflower)	Custom	9	100%	16	cwt	0.32	5.12		
Crop Insurance						18.00	18.00		
Total Materials & Services								203.32	

* Harvest factor adjustment used on costs

**Insecticide for seed weevil and sunflower moth

Total listed costs for Field Operations and Materials and Services	286.35
Interest on Operations Capital \$ 232.83 cash expense @ 6.50% for 6.0 mo.	7.57
Total Operating and Use Related Ownership Costs	293.92

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)	30.00
Real Estate Opportunity^ Dryland (Panhandle) \$ 745 per acre @ 3.00%	22.35
Real Estate Taxes \$ 745 per acre @ 1.40%	10.43
Total Cost per Acre Including Overhead	356.70

Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs.	17.55
Cost of production per cwt	22.29

Use the UNL Ag Budget Calculator program to customize crop budgets at: aqbudget.unl.edu

**2023 Budget 74-Sunflower, Clearfield, Panhandle, No Till, 30 cwt Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 8 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2 Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Plant No-Till	1		3.00	1.49	0.06	5.92	4.82	8.23	23.52	
4 Spray Herbicide	Custom									
5 Aerial Spray	Custom									
6 Pivot E 125' Lift w/fertigation	8	ai	9.26	22.81	3.51	23.06	6.15	12.66	77.45	
*7 Combine Sunflowers	192		4.06	6.83	5.51	0.87	30.67	10.19	58.13	
8 Truck	Custom									
Total for Field Operations			18.22	31.83	9.12	31.26	44.56	38.14	173.13	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.31	10.00	
21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77	
Prowl H2O	Herbicide	2	100%	2.3 pint	7.25	16.68	
Spartan 4F	Herbicide	2	100%	4 ounce	1.95	7.81	
28-0-0	Fertilizer	2	100%	100 lbs N	1.03	103.33	
Sunflower Clearfield	Seed	3	100%	35 k seed	1.60	56.00	
10-34-0	Fertilizer	3	100%	4 gallon	4.20	16.80	
Spray	Herbicide	4	50%	1 acre	8.50	4.25	
Beyond	Herbicide	4	50%	4 ounce	4.53	9.06	
NIS	Additive	4	50%	5 ounce	0.20	0.51	
UAN	Additive	4	50%	3 pint	0.45	0.68	
Aerial Spray	Custom	5	50%	1 acre	10.00	5.00	
** Warrior II/Zeon	Insecticide	5	50%	3.84 ounce	3.13	6.00	
Electricity Fixed	Other	6	100%	1 acre	40.00	40.00	
Haul Grain (Sunflower)	Custom	8	100%	30 cwt	0.32	9.60	
Crop Insurance					13.00	13.00	
Total Materials & Services						299.49	

* Harvest factor adjustment used on costs

**Insecticide for seed weevil and sunflower moth

Total listed costs for Field Operations and Materials and Services		472.62
Interest on Operations Capital \$ 389.92 cash expense @ 6.50% for 6.0 mo.		12.67
Total Operating and Use Related Ownership Costs		485.29
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		30.00
Real Estate Opportunity^ Pivot (Panhandle) \$ 3,710 per acre @ 3.00%		111.30
Real Estate Taxes \$ 3,710 per acre @ 1.40%		51.94
Total Cost per Acre Including Overhead		678.53
Cash Cost per cwt ^Ownership and RE Opportunity not included in cash costs.		16.15
Cost of production per cwt		22.62

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 75-Wheat-Spring, Southwest, No Till, Wheat after Row Crop, 40 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
2	Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3	Aerial Spray	Custom									
4	Aerial Spray	Custom									
*5	Combine Small Grain	64		1.35	2.27	1.84	0.29	10.22	3.40	19.37	
6	Truck	Custom									
Total for Field Operations				4.50	4.38	1.91	5.79	15.54	10.21	42.33	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
	Wheat (Certified and Treated)	Seed	1	100%	90 pound	0.32	28.80	
28-0-0	Fertilizer	2	100%	75 lbs N	1.03	77.50		
	Ally Extra SGW/TOTSOL	Herbicide	2	100%	0.3 ounce	10.00	3.00	
	2,4-D Ester LV4	Herbicide	2	100%	0.5 pint	4.25	2.13	
	NIS	Additive	2	100%	6 ounce	0.20	1.22	
	Aerial Spray	Custom	3	25%	1 acre	10.00	2.50	
**	Quilt Xcel	Fungicide	3	25%	10.5 ounce	1.88	4.92	
	Aerial Spray	Custom	4	15%	1 acre	10.00	1.50	
***	Warrior II/Zeon	Insecticide	4	15%	1.92 ounce	3.13	0.90	
	Haul Grain Bushels	Custom	5	100%	40 bushel	0.13	5.20	
	Scouting Dryland Wheat	Scouting		100%	1 acre	8.00	8.00	
		Crop Insurance				9.00	9.00	
Total Materials & Services							178.27	

* Harvest factor adjustment used on costs

**Fungicide for rust

***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services		220.60
Interest on Operations Capital \$ 194.85 cash expense @ 6.50% for 6.0 mo.		6.33
Total Operating and Use Related Ownership Costs		226.93
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Dryland (Southwest) \$ 1,560 per acre @ 3.00%		46.80
Real Estate Taxes \$ 1,560 per acre @ 1.40%		21.84
Total Cost per Acre Including Overhead		320.57
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		6.20
Cost of production per bushel		8.01

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

**2023 Budget 76-Wheat-Winter, Southwest, No Till, Wheat after Row Crop, 55 bushel Yield
Dryland**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Drill w/ Fertilizer	1		2.73	2.00	0.05	3.86	4.38	4.04	17.06	
2	Spray Fertilizer and Herbicide	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3	Aerial Spray	Custom									
4	Aerial Spray	Custom									
*5	Combine Small Grain	88		1.86	3.12	2.53	0.40	14.06	4.67	26.63	
6	Truck	Custom									
Total for Field Operations				5.54	5.47	2.60	4.56	19.90	13.75	51.81	

	Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
					Rate	Unit			
	10-34-0	Fertilizer	1	100%	8	gallon	4.20	33.60	
	Wheat (Certified and Treated)	Seed	1	100%	90	pound	0.32	28.80	
	28-0-0	Fertilizer	2	100%	75	lbs N	1.03	77.50	
	Ally Extra SGW/TOTSOL	Herbicide	2	100%	0.3	ounce	10.00	3.00	
	2,4-D Ester LV4	Herbicide	2	100%	0.5	pint	4.25	2.13	
	NIS	Additive	2	100%	6	ounce	0.20	1.22	
	Aerial Spray	Custom	3	25%	1	acre	10.00	2.50	
**	Quilt Xcel	Fungicide	3	25%	10.5	ounce	1.88	4.92	
	Aerial Spray	Custom	4	15%	1	acre	10.00	1.50	
***	Warrior II/Zeon	Insecticide	4	15%	1.92	ounce	3.13	0.90	
	Haul Grain Bushels	Custom	5	100%	55	bushel	0.13	7.15	
	Scouting Dryland Wheat	Scouting		100%	1	acre	8.00	8.00	
		Crop Insurance					19.00	19.00	
Total Materials & Services								190.22	

* Harvest factor adjustment used on costs

**Fungicide for rust

***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services		242.03
Interest on Operations Capital \$ 208.39	cash expense @ 6.50% for 6.0 mo.	6.77
Total Operating and Use Related Ownership Costs		248.80
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^	Dryland (Southwest) \$ 1,560 per acre @ 3.00%	46.80
Real Estate Taxes	\$ 1,560 per acre @ 1.40%	21.84
Total Cost per Acre Including Overhead		342.44
Cash Cost per bushel	<i>^Ownership and RE Opportunity not included in cash costs.</i>	4.76
Cost of production per bushel		6.23

Use the UNL Ag Budget Calculator program to customize crop budgets at:

agbudget.unl.edu

2023 Budget 77-Wheat-Winter, Panhandle, No Till, Fallow, One Crop in Two Years, 70 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray (Prior Year Stubble)	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2	Spray (Prior Year Stubble)	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
6	Drill w/ Fertilizer	1		2.73	2.00	0.05	3.86	4.38	4.04	17.06	
7	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
8	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
*11	Combine Small Grain	112		2.37	3.97	3.22	0.51	17.89	5.94	33.90	
12	Truck	Custom									
Total for Field Operations				12.77	9.41	3.44	11.03	34.83	24.58	96.06	

	Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
					Rate	Unit				
	Glyphosate 5# w/Surfactant	Herbicide	1	100%	32	ounce	0.31	10.00		
	21-0-0-24S	Additive	1	100%	1.7	pound	0.45	0.77		
	Glyphosate 5# w/Surfactant	Herbicide	2	100%	32	ounce	0.31	10.00		
	21-0-0-24S	Additive	2	100%	1.7	pound	0.45	0.77		
	AAtrex 4L	Herbicide	2	100%	1	quart	5.50	5.50		
	Glyphosate 5# w/Surfactant	Herbicide	3	100%	32	ounce	0.31	10.00		
	21-0-0-24S	Additive	3	100%	1.7	pound	0.45	0.77		
	Glyphosate 5# w/Surfactant	Herbicide	4	100%	32	ounce	0.31	10.00		
	21-0-0-24S	Additive	4	100%	1.7	pound	0.45	0.77		
	Glyphosate 5# w/Surfactant	Herbicide	5	100%	32	ounce	0.31	10.00		
	21-0-0-24S	Additive	5	100%	1.7	pound	0.45	0.77		
	10-34-0	Fertilizer	6	100%	8	gallon	4.20	33.60		
	Wheat (Certified and Treated)	Seed	6	100%	60	pound	0.32	19.20		
	46-0-0	Fertilizer	7	100%	90	lbs N	0.87	78.30		
	Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3	ounce	10.00	3.00		
	2,4-D Ester LV4	Herbicide	8	10%	0.5	pint	4.25	0.21		
	NIS	Additive	8	20%	6	ounce	0.20	0.24		
	Aerial Spray	Custom	9	25%	1	acre	10.00	2.50		
**	Quilt Xcel	Fungicide	9	25%	10.5	ounce	1.88	4.92		
	Aerial Spray	Custom	10	15%	1	acre	10.00	1.50		
***	Warrior II/Zeon	Insecticide	10	15%	1.92	ounce	3.13	0.90		
	Haul Grain Bushels	Custom	12	100%	70	bushel	0.13	9.10		
	Scouting Dryland Wheat	Scouting		100%	1	acre	8.00	8.00		
	Crop Insurance						21.00	21.00		
Total Materials & Services									241.82	

* Harvest factor adjustment used on costs									
**Fungicide for rust									
***Insecticide for aphids and army cutworm									
Total listed costs for Field Operations and Materials and Services									337.88
Interest on Operations Capital \$ 278.46 cash expense @ 6.50% for 6.0 mo.									9.05
Total Operating and Use Related Ownership Costs									346.93
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)									25.00
Real Estate Opportunity^ Dryland (Panhandle) \$ 745 per acre @ 3.00%									44.70
Real Estate Taxes \$ 745 per acre @ 1.40%									20.86
Total Cost per Acre Including Overhead									437.49
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.									4.76
Cost of production per bushel									6.25

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 78-Wheat-Winter, Panhandle, Stubble Mulch Fallow, One Crop in Two Years, 65 bushel Yield Dryland

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Sweep Plow	1		2.20	3.04	0.19	0.75	10.16	2.91	19.25	
2 Sweep Plow	1		2.20	3.04	0.19	0.75	10.16	2.91	19.25	
3 Sweep Plow	1		2.20	3.04	0.19	0.75	10.16	2.91	19.25	
4 Rod Weeder	1		1.89	1.78	0.18	0.77	9.62	3.09	17.33	
5 Rod Weeder	1		1.89	1.78	0.18	0.77	9.62	3.09	17.33	
6 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
7 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
8 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
*11 Combine Small Grain	104		2.20	3.69	2.99	0.47	16.62	5.52	31.48	
12 Truck	Custom									
Total for Field Operations			16.68	18.83	4.01	10.87	73.12	29.26	152.76	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate	
			Rate	Unit				
10-34-0	Fertilizer	6	100%	8 gallon	4.20	33.60		
Wheat (Certified and Treated)	Seed	6	100%	55 pound	0.32	17.60		
28-0-0	Fertilizer	7	100%	85 lbs N	1.03	87.83		
2,4-D Ester LV4	Herbicide	8	100%	0.5 pint	4.25	2.13		
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	10.00	3.00		
NIS	Additive	8	100%	6 ounce	0.20	1.22		
Aerial Spray	Custom	9	25%	1 acre	10.00	2.50		
** Quilt Xcel	Fungicide	9	25%	10.5 ounce	1.88	4.92		
Aerial Spray	Custom	10	15%	1 acre	10.00	1.50		
*** Warrior II/Zeon	Insecticide	10	15%	1.92 ounce	3.13	0.90		
Haul Grain Bushels	Custom	12	100%	65 bushel	0.13	8.45		
Scouting Dryland Wheat	Scouting		100%	1 acre	8.00	8.00		
Crop Insurance					20.00	20.00		
Total Materials & Services							191.65	

* Harvest factor adjustment used on costs

**Fungicide for rust

***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services		344.41
Interest on Operations Capital \$ 242.03 cash expense @ 6.50% for 6.0 mo.		7.87
Total Operating and Use Related Ownership Costs		352.28
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Dryland (Panhandle) \$ 745 per acre @ 3.00%		44.70
Real Estate Taxes \$ 745 per acre @ 1.40%		10.43
Total Cost per Acre Including Overhead		432.41

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	4.39
Cost of production per bushel	6.65

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 79-Wheat-Winter, Panhandle, Conventional Tillage, One Crop in Two Years, 60 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
3	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4	Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
5	Rod Weeder	1		1.89	1.78	0.18	0.77	9.62	3.09	17.33	
6	Rod Weeder & Fertilizer	1		2.27	1.78	0.18	0.89	9.62	3.59	18.33	
7	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
8	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
*11	Combine Small Grain	96		2.03	3.40	2.76	0.43	15.34	5.09	29.06	
12	Truck	Custom									
Total for Field Operations				17.35	19.65	3.88	14.17	76.92	23.87	155.85	

	Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
					Rate	Unit			
	32-0-0	Fertilizer	6	100%	70 lbs N	1.00	70.00		
	10-34-0	Fertilizer	7	100%	8 gallon	4.20	33.60		
	Wheat (Certified and Treated)	Seed	7	100%	50 pound	0.32	16.00		
	2,4-D Ester LV4	Herbicide	8	100%	0.5 pint	4.25	2.13		
	Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	10.00	3.00		
	NIS	Additive	8	100%	6 ounce	0.20	1.22		
	Aerial Spray	Custom	9	25%	1 acre	10.00	2.50		
**	Quilt Xcel	Fungicide	9	25%	10.5 ounce	1.88	4.92		
	Aerial Spray	Custom	10	15%	1 acre	10.00	1.50		
***	Warrior II/Zeon	Insecticide	10	15%	1.92 ounce	3.13	0.90		
	Haul Grain Bushels	Custom	12	100%	60 bushel	0.13	7.80		
	Scouting Dryland Wheat	Scouting		100%	1 acre	8.00	8.00		
	Crop Insurance					19.00	19.00		
Total Materials & Services									170.57

* Harvest factor adjustment used on costs **Fungicide for rust ***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services		326.42
Interest on Operations Capital \$ 225.63 cash expense @ 6.50% for 6.0 mo.		7.33
Total Operating and Use Related Ownership Costs		333.75
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Dryland (Panhandle) \$ 745 per acre @ 3.00%		44.70
Real Estate Taxes \$ 745 per acre @ 1.40%		20.86
Total Cost per Acre Including Overhead		424.31

Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.	4.65
Cost of production per bushel	7.07

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

2023 Budget 80-Wheat-Winter, Southwest, No Till, Wheat before Corn, Two Crops in Three Years, 80 bushel Yield Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
5	Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
6	Spread Fertilizer	1		1.97	1.34	0.05	0.00	3.80	2.48	9.64	
7	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
8	Aerial Spray	Custom									
9	Aerial Spray	Custom									
*10	Combine Small Grain	128		2.71	4.54	3.68	0.58	20.45	6.79	38.74	
11	Truck	Custom									
Total for Field Operations				11.63	9.39	3.88	11.33	35.41	21.14	92.77	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
	Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.31	10.00	
	21-0-0-24S	Additive	1	100%	1.7 pound	0.45	0.77	
	2,4-D Ester LV4	Herbicide	1	100%	1 pint	4.25	4.25	
	Glyphosate 5# w/Surfactant	Herbicide	2	100%	32 ounce	0.31	10.00	
	21-0-0-24S	Additive	2	100%	1.7 pound	0.45	0.77	
	2,4-D Ester LV4	Herbicide	2	100%	1 pint	4.25	4.25	
	Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.31	10.00	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.45	0.77	
	2,4-D Ester LV4	Herbicide	3	100%	1 pint	4.25	4.25	
	Glyphosate 5# w/Surfactant	Herbicide	4	100%	32 ounce	0.31	10.00	
	21-0-0-24S	Additive	4	100%	1.7 pound	0.45	0.77	
	10-34-0	Fertilizer	5	100%	8 gallon	4.20	33.60	
	Wheat (Certified and Treated)	Seed	5	100%	60 pound	0.32	19.20	
	46-0-0	Fertilizer	6	100%	120 lbs N	0.87	104.40	
	Ally Extra SGW/TOTSOL	Herbicide	7	100%	0.3 ounce	10.00	3.00	
	NIS	Additive	7	10%	6 ounce	0.20	0.12	
	2,4-D Ester LV4	Herbicide	7	20%	0.5 pint	4.25	0.43	
	Aerial Spray	Custom	8	25%	1 acre	10.00	2.50	
*	Quilt Xcel	Fungicide	8	25%	10.5 ounce	1.88	4.92	
	Aerial Spray	Custom	9	15%	1 acre	10.00	1.50	
**	Warrior II/Zeon	Insecticide	9	15%	1.92 ounce	3.13	0.90	
	Haul Grain Bushels	Custom	11	100%	80 bushel	0.13	10.40	
	Scouting Dryland Wheat	Scouting		100%	1 acre	8.00	8.00	
	Crop Insurance					27.00	27.00	
Total Materials & Services							271.80	

* Harvest factor adjustment used on costs

**Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services							364.57	
Interest on Operations Capital \$ 308.02 cash expense @ 6.50% for 6.0 mo.							10.01	
Total Operating and Use Related Ownership Costs							374.58	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							25.00	
Real Estate Opportunity^ <input type="text" value="Dryland (Southwest)"/> \$ 1,560 per acre @ 3.00%							70.20	
Real Estate Taxes \$ 1,560 per acre @ 1.40%							32.76	
Total Cost per Acre Including Overhead							502.54	
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.							4.70	
Cost of production per bushel							6.28	

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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**2023 Budget 81-Wheat-Winter, Panhandle, No Till, after Dry Beans, 105 bushel Yield
Pivot Irrigated Diesel, 800 GPM 35 PSI, 6 acre/inches**

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Drill w/ Fertilizer	1		2.73	2.00	0.05	3.86	4.38	4.04	17.06	
2 Pivot D 125' Lift	6	ai	5.21	49.04	2.09	15.22	3.97	8.35	83.88	
3 Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4 Aerial Spray	Custom									
5 Aerial Spray	Custom									
*6 Combine Small Grain	168		3.55	5.96	4.83	0.76	26.84	8.91	50.85	
7 Truck	Custom									
Total for Field Operations			12.44	57.35	6.99	20.95	36.65	23.32	157.70	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate	
								10-34-0
Wheat (Certified and Treated)	Seed	1	100%	120 pound	0.32	38.40		
28-0-0	Fertilizer	2	100%	130 lbs N	1.03	134.33		
2,4-D Ester LV4	Herbicide	3	100%	0.5 pint	4.25	2.13		
Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce	10.00	3.00		
NIS	Additive	3	100%	6 ounce	0.20	1.22		
Aerial Spray	Custom	4	100%	1 acre	10.00	10.00		
** Prosaro 421 SC	Fungicide	4	100%	7 ounce	2.73	19.14		
Aerial Spray	Custom	5	10%	1 acre	10.00	1.00		
*** Mustang Maxx	Insecticide	5	10%	3 ounce	1.72	0.52		
Warrior II/Zeon	Insecticide	5	10%	1.92 ounce	3.13	0.60		
Haul Grain Bushels	Custom	7	100%	105 bushel	0.13	13.65		
Scouting Irrigated Wheat	Scouting		100%	1 acre	8.00	8.00		
	Crop Insurance				31.00	31.00		
Total Materials & Services							296.59	

* Harvest factor adjustment used on costs **Fungicide for rust ***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services		454.29
Interest on Operations Capital \$ 394.32 cash expense @ 6.50% for 6.0 mo.		12.82
Total Operating and Use Related Ownership Costs		467.11
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		25.00
Real Estate Opportunity^ Pivot (Panhandle) \$ 3,710 per acre @ 3.00%		111.30
Real Estate Taxes \$ 3,710 per acre @ 1.40%		51.94
Total Cost per Acre Including Overhead		655.35
Cash Cost per bushel ^Ownership and RE Opportunity not included in cash costs.		4.61
Cost of production per bushel		6.24

Use the UNL Ag Budget Calculator program to customize crop budgets at: agbudget.unl.edu

**2023 Budget 82-Wheat-Winter, Panhandle, No Till, in Rotation, 90 bushel Yield
Pivot Irrigated Electric, 800 GPM 35 PSI, 6 acre/inches**

	Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership^		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
2	Drill w/ Fertilizer	1		2.73	2.00	0.05	3.86	4.38	4.04	17.06	
3	Spray Herbicide	1		0.95	0.35	0.02	1.11	1.46	2.02	5.91	
4	Pivot E 125' Lift w/fertigation	6	ai	6.94	17.11	2.63	17.29	4.61	9.49	58.07	
5	Aerial Spray	Custom									
6	Aerial Spray	Custom									
*7	Combine Small Grain	144		3.05	5.11	4.14	0.65	23.01	7.64	43.58	
8	Truck	Custom									
Total for Field Operations				14.62	24.92	6.86	24.02	34.92	25.21	130.53	

	Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
	Glyphosate 5# w/Surfactant	Herbicide	1	100%	32 ounce	0.31	10.00	
	Sharpen	Herbicide	1	100%	2 ounce	7.30	14.61	
	21-0-0-24S	Additive	2	100%	1.7 pound	0.45	0.77	
	MSO	Additive	2	100%	16 ounce	0.17	2.75	
	Wheat (Certified and Treated)	Seed	2	100%	120 pound	0.32	38.40	
	11-52-0	Fertilizer	2	100%	40 pound	0.48	19.20	
	2,4-D Ester LV4	Herbicide	3	100%	0.5 pint	4.25	2.13	
	Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce	10.00	3.00	
	NIS	Additive	3	100%	6 ounce	0.20	1.22	
	32-0-0 (Applied by Pivot)	Fertilizer	4	100%	125 lbs N	1.00	125.00	
	Electricity Fixed	Other	4	100%	1 acre	40.00	40.00	
	Aerial Spray	Custom	5	100%	1 acre	10.00	10.00	
**	Prosaro 421 SC	Fungicide	5	100%	7 ounce	2.73	19.14	
	Aerial Spray	Custom	6	20%	1 acre	10.00	2.00	
***	Mustang Maxx	Insecticide	6	10%	3 ounce	1.72	0.52	
	Warrior II/Zeon	Insecticide	6	10%	1.92 ounce	3.13	0.60	
	Scouting Irrigated Wheat	Scouting		100%	1 acre	8.00	8.00	
	Haul Grain Bushels	Custom	8	100%	90 bushel	0.13	11.70	
	Crop Insurance					29.00	29.00	
Total Materials & Services							338.04	

* Harvest factor adjustment used on costs

**Fungicide for rust

***Insecticide for aphids and army cutworm

Total listed costs for Field Operations and Materials and Services

Interest on Operations Capital \$ 408.45 cash expense @ 6.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)

Real Estate Opportunity^ Pivot (Panhandle) \$ 3,710 per acre @ 3.00%
Real Estate Taxes \$ 3,710 per acre @ 1.40%

Total Cost per Acre Including Overhead

Cash Cost per bushel

^Ownership and RE Opportunity not included in cash costs.

Cost of production per bushel

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2023 Budget 83-Cover Crop, Conventional Tillage

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disk	1		2.52	3.35	0.21	1.00	11.64	2.91	21.63	
2 Broadcast Seed	Custom									
3 Field Cultivation	1		1.83	2.41	0.16	1.59	8.46	1.80	16.25	
4 Spread Fertilizer	Custom									
5 Spray Herbicide	Custom									
Total for Field Operations			4.35	5.76	0.37	2.59	20.10	4.71	37.88	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Broadcast Seed	Custom	2	100%	1 acre		14.00	14.00	
Spray	Custom	4	100%	1 acre		8.50	8.50	
32-0-0	Fertilizer	4	100%	50 lbs N		1.00	50.00	
* Spray	Custom	5	100%	1 acre		8.50	8.50	
Glyphosate 5# w/Surfactant	Herbicide	5	100%	32 ounce		0.31	10.00	
21-0-0-24S	Additive	5	100%	1.7 pound		0.45	0.77	
	Crop Insurance					N/A	N/A	
Total Materials & Services							113.77	

Total listed costs for Field Operations and Materials and Services		151.65
Interest on Operations Capital \$ 126.84	cash expense @ 6.50% for 6.0 mo.	4.12
Total Operating and Use Related Ownership Costs		155.77
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)		0.00
Real Estate Opportunity	\$ - per acre @ 3.00%	0.00
Real Estate Taxes	\$ - per acre @ 1.40%	0.00
Total Cost per Acre Including Overhead		155.77

* Cover Crop Termination

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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2023 Budget 84-Cover Crop Grazing, No Till

Field Operations	Times or Qty	Unit	Labor @ \$25.00 /Hr	Fuel @ \$3.83 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Drill	1		2.20	1.76	0.05	5.20	3.86	1.77	14.84	
2 Spray Fertilizer	1		0.95	0.35	0.02	0.30	1.46	5.04	8.12	
3 Spray Herbicide	custom									
Total for Field Operations			3.15	2.11	0.07	5.50	5.32	6.81	22.96	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate Unit	Applied Price	Total	Your Estimate
32-0-0	Fertilizer	2	100%	50 lbs N	1.00	50.00	
* Spray	Custom	3	100%	1 acre	8.50	8.50	
Glyphosate 5# w/Surfactant	Herbicide	3	100%	32 ounce	0.31	10.00	
21-0-0-24S	Additive	3	100%	1.7 pounds	0.45	0.77	
Total Materials & Services						102.27	

Total listed costs for Field Operations and Materials and Services							125.23	
Interest on Operations Capital \$ 113.10 cash expense @ 6.50% for 6.0 mo.							3.68	
Total Operating and Use Related Ownership Costs							128.91	
Overhead (accounting, liability insurance, vehicle cost, office expense, soil tests)							0.00	
Real Estate Opportunity							0.00	
Real Estate Taxes							0.00	
Total Cost per Acre Including Overhead							128.91	

* Cover Crop Termination

Use the UNL Ag Budget Calculator program to customize crop budgets at:

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