

Know how. Know now.

EC872

(Revised January 2010)

Crop Budgets Nebraska – 2010

Edited by

Robert N. Klein, Western Nebraska Crops Specialist Roger K. Wilson, Farm Management/Enterprise Budget Analyst

Resource Persons

Robert N. Klein rklein1@unl.edu
Western Nebraska Crops Specialist (308) 696-6705
UNL West Central Research and Extension Center
402 W State Farm Road
North Platte, NE 69101-7751

Roger K. Wilson
Farm Management/Enterprise Budget Analyst
UNL Department of Agricultural Economics
303C Filley Hall, Box 830922
Lincoln, NE 68583-0922

H. Douglas Jose

Extension Farm Management Coordinator

UNL Department of Agricultural Economics
304C Filley Hall, Box 830922

Lincoln, NE 68583-0922

Paul A. Burgenerpburgener2@unl.eduAg Economics Research Analyst(308) 632-1241UNL Panhandle Research and Extension Center4502 Avenue IScottsbluff, NE 69361-4939

Tina N. Barrett

Director, Nebraska Farm Business Inc.

3815 Touzalin Ave., Suite 105

Lincoln, NE 68507

tbarrett2@unl.edu

(402) 464-6424



Table of Contents

	udgeting Procedures	
Table 1.	Power Unit Cost Data Used for 2010 Budgets	4
	Machinery Cost Data Used for 2010 Budgets	
	Material Prices Used for 2010 Budgets	
	Conversion of Diesel to Electricity, Propane, Gasoline, and Natural Gas	7
Table 5.	Table for Adjusting the Amount of Diesel Fuel Required for Center Pivots for Lifts and Pressures Other	
	than the 125 Feet of Life and 35 psi Used in the Budgets	8
***** P. 1	4 41616 P.H.P. 1141 P. 1611	
	1. Alfalfa, Fall Establishment, Rainfed	
	2. Alfalfa, Spring-seeded with Herbicides, Rainfed	
	3. Alfalfa, Spring-seeded with Herbicides, Pivot Irrigated	
	4. Alfalfa, Established with Oats, Ditch Irrigated	
	5, Alfalfa, Large Round Bales, Rainfed	
	6. Alfalfa, Large and Small Bales, Pivot Irrigated	
2010 Budget	7. Alfalfa., Large Square Bales, Ditch Irrigated	15
	8. Corn, Conventional, Continuous, 90 bu Yield Goal, Rainfed	
	9. Corn, No-till, RR & Bt, RW & ECB, Continuous, 110 bu Yield Goal, Rainfed	
	10. Corn, No-till, SmartStax, Continuous, 118 bu Yield Goal, Rainfed	
	11. Corn, No-Till, Bt ECB After Soybean, 120 bu Yield Goal, Rainfed	
	12. Ecofallow Corn, Follows Wheat, 2 Crops in 3 Years, RR & Bt ECB, 120 bu Yield Goal, Rainfed	
	13. Corn, Ridge-Till, Bt, ECB & RW, Continuous, 220 bu Yield Goal, Gravity Irrigated	
	14. Corn, Ridge-Till, SmartStax, Continuous, 235 bu Yield Goal, Gravity Irrigated	
	15. Corn, No-Till, Bt ECB & RW, Continuous, 225 bu Yield Goal, Pivot Irrigated	
	16. Corn, No-Till, SmartStax, Continous, 240 bu Yield Goal, Pivot Irrigated	
2010 Budget	17. Corn, Bt ECB & RW, Continuous, 215 bu Yield Goal, Pivot Irrigated	25
	18. Corn, SmartStax, Continuous, 230 bu Yield Goal, Pivot Irrigated	
	19. Corn, No-Till, Bt ECB, after Beans, 235 bu Yield Goal, Pivot Irrigated	
	20. Corn Silage, No-Till following Corn, Pivot Irrigated	
	21. Dry Beans, Conventional with Wheat Cover Crop, Pivot Irrigated	
2010 Budget	22. Grain Sorghum, Conventional, 100 bu Yield Goal, Rainfed	30
	23. Grain Sorghum, No-Till, 120 bu Yield Goal, Rainfed	
	24. Grain Sorghum, Ecofallow, After Wheat, 2 Crops in 3 Years, 110 bu Yield Goal, Rainfed	
2010 Budget	25. Grain Sorghum, No-Till, Limited Irrigation, 160 bu Yield Goal, Pivot Irrigated	33
2010 Budget	26. Grass, Fall Establishment, Pivot Irrigated	34
	27. Grass Hay, Large Round Bale, Rainfed	
0	28. Oats, No-Till, 90 bu Yield Goal, Rainfed	
	29. Pastures, Grazing (11 AUM), Pivot Irrigated	
2010 Budget	30. Millet, Stubble Mulch Fallow, fb Wheat, 2 Crops in 3 Years, 22 cwt Yield Goal, Rainfed	38
	31. Sorghum-Sudan, Annually Planted, Large Round Bales, Rainfed	
2010 Budget	32. Soybeans, Tilled Seedbed, Roundup Ready®, Rainfed	40
	33. Soybeans, No-Till, Roundup Ready after Corn, Rainfed	
2010 Budget	34. Soybeans, No-Till, Roundup Ready Continuous, Rainfed	42
2010 Budget	35. Soybeans, Tilled Seedbed, Roundup Ready after Corn, Pivot Irrigated	43
2010 Budget	36. Soybeans, Ridge-Till, RR after RR Corn, Gravity Irrigated	44
2010 Budget	37. Soybeans, No-Till Narrow Row, Roundup Ready after Corn, Pivot Irrigated	45
	38. Soybeans, No-Till Narrow Row, Continuous, Pivot Irrigated	
2010 Budget	39. Soybeans, No-Till Drilled, Roundup Ready after Corn, Pivot Irrigated	47
2010 Budget	40. Sugar Beets Roundup Ready, One Pass Tillage, Canal Irrigated	48
2010 Budget	41. Sugar Beets Roundup Ready, One Pass Tillage, Pivot Irrigated	49
	42. Sunflower, No-Till, Following Corn or Grain Sorghum, Rainfed	
	43. Sunflower, Ecofallow, after Wheat, 2 Crops in 3 Years, Rainfed	
	44 Wheat, No-Till after Row Crop, 40 bu Yield Goal, Rainfed	
	45. Wheat, Stubble Mulch Fallow, 1 Crop in 2 Years, 48 bu Yield Goal, Rainfed	
	46. Wheat, Clean-Till Fallow, 1 Crop in 2 Years, 44 bu Yield Goal, Rainfed	
	47. Wheat, No-Till Wheat before Corn, 2 Crops in 3 Years, 60 bu Yield Goal, Rainfed	
	48. Wheat, No-Till after Beans, 100 bu Yield Goal, Pivot Irrigated	
-		

2010 Crop Budgeting Procedures

This publication contains crop production budgets for 13 crops and 48 cropping systems, as well as tables of power, machinery, labor, and input costs used to develop these budgets. Each budget consists of five sections:

- 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 budgets are presented in a worksheet format with a "Your Estimate" column for recording cost modifications.

Budget Divisions

The **heading** consists of the crop name, source, amount, and application method of water, operating system description, and yield goal and yield estimate.

The **list of representative field operations** is organized in a table with columns for the operation name, quantity or number of times used, labor, fuel and lube, and power source and implement costs for both repairs and ownership. Times or Quantity is typically in acres with a decimal denoting where an operation is done on a fraction of acres or where it represents the probability of an operation being done. Those operations that are done multiple times, for example swathing several cuttings of hay, show the number of times. Other units used are bushels, hundredweight, tons, and acre inches.

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 Qty column, the product of which is multiplied by the hourly wage (\$12 per hour) and labor factor.

Fuel costs also use machinery accomplishment rates as well as estimated fuel consumption rates to determine fuel use. This is multiplied by a lube factor and the price of energy which is \$2.00 per gallon for diesel and \$0.783 per kwh for electricity. Repairs and depreciation costs were 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. It was assumed that machinery chosen was fully utilized.

The age used for all field machines except irrigation equipment (pivots and pipe) was five years. The age assumed for irrigation equipment was 10 years. The age assumed for all power units except diesel pumping engines and the smaller tractor was five years. The age assumed for the diesel pumping engines was three years and the smaller tractor, 10 years.

Costing functions were based on the current list price of comparable items. For self-propelled items, such as combines, the power unit repair and ownership cost estimates cover the principle machine and the implement cost covers the head. Data used to calculate power unit costs are in *Table 1* and machinery operation costs are in *Table 2*.

Irrigation costs were calculated using engineering performance standards and typical water application rates which will depend on the rainfall area. Power costs for irrigation refer to the pump and power unit and implement costs are for the delivery system (pipe or pivot). Depreciation and interest for the well are budgeted with land costs.

Materials and services are calculated by multiplying the application rate by the application price (*Table 3*) and then by the percent acres applied. A decimal 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. Note: All prices for materials and services in the budgets were obtained in September 2009.

The value in the Operation Index column in the Materials and Services section indicates the corresponding operation in the Field Operations section. Data for calculating materials cost is in *Table 2*.

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

Overhead costs include scouting, crop insurance, and real estate opportunity and taxes costs. Scouting is included as an overhead cost to distinguish it from oper-

ation costs that go directly into production. Crop insurance is in the overhead category because it is subsidized by the federal government so, for many operations, its premiums, on average, exceed its costs. Real estate values used are from the UNL publication *Nebraska Farm Real Estate Market Developments 2008-2009* published in June 2009. Real estate taxes are not included in cash costs 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 cost per unit of production 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 is the sum of labor, fuel, repairs, materials and services, interest, scouting, and crop insurance divided by the projected yield.

It should be noted that many enterprise budgets are cost and *return* estimates. These budgets are cost estimates only so have no estimates as to profitability.

Table 1. Power unit cost data used for 2010 budgets

Name	List Price	Age	Tach Hours	Est. Hours per Year
100 HP Tractor	\$ 68,000	10	2,500	200
175 HP Tractor	141,262	5	1,500	300
Combine	200,000	5	1,000	200
Windrower	86,912	5	1,500	300
Diesel Pump for Pivot	15,000	3	2,400	800
Diesel Pump for Pipe	15,000	3	2,400	800
Electric Pump	10,000	5	5,000	1,000

Table 2. Machinery cost data used for 2010 budgets

Operation Name	Machine or Head List Price	Annual Use	Units per Hour	Energy per Hour
Anhy Apply (supplier)	Not Owned	Not Owned	40.00 ac	0.00 gal
Anhydrous Apply	\$25,000	500 ac	7.86 ac	6.36 gal
Cart	9,322	90,000 bu	2,600 bu	7.00 gal
Chisel	40,000	500 ac	11.09 ac	8.26 gal
Chop Silage	Custom			
Chop Stalks	18,000	500 ac	12.34 ac	5.74 gal
Combine dryland	25,762	1,000 ac	7.00 ac	10.47 gal
Combine Irrigated Corn	40,000	1,000 ac	4.00 ac	10.50 gal
Combine Irrigated Dry Beans	10,000	300 ac	4.75 ac	8.00 gal
Combine Irrigated Soybeans	28,812	1,000 ac	6.00 ac	10.50 gal
Combine Irrigated Sorghum	28,812	1,000 ac	7.33 ac	10.50 gal
Combine Rainfed Corn	40,000	1,000 ac	5.50 ac	10.50 gal
Combine Rainfed Soybeans	28,812	1,000 ac	5.64 ac	10.50 gal
Combine Rainfed Sorghum	28,812	1,000 ac	7.00 ac	10.50 gal
Combine Rainfed Sunflowers	30,000	300 ac	7.00 ac	10.50 gal
Corrugate	30,183	300 ac	7.02 ac	4.39 gal
Disc	45,905	2,000 ac	10.91 ac	8.29 gal
Ditch Irrigation	NA	1,000 Al	1.80 Al	0.00 gal
Double Windrows	10,000	150 ac	12.39 ac	2.11 gal
Drill	26,953	1,000 ac	7.33 ac	4.99 gal
Dry Grain	Custom			

Table 2. Machinery cost data used for 2010 budgets (continued)

Operation Name	Machine or Head List Price	Annual Use	Units per Hour	Energy per Hour
Fallow Master	30,183	1,000 ac	21.29 ac	8.62 gal
Field Cultivation	30,183	2,000 ac	21.29 ac	8.20 gal
Grass Drill	7,668	160 ac	4.91 ac	4.29 gal
Harrow	15,470	1,000 ac	18.59 ac	2.05 gal
Hill/Ditch	10,816	1,000 ac	6.50 ac	5.33 gal
Ное	7,210	3,000 ac	14.67 ac	3.67 gal
Large Round Bale	28,617	1,250 ton	13.32 ton	2.88 gal
Large Square Bale	91,781	2,500 ton	16.07 ton	6.19 gal
Lift Beets	75,000	500 ac	5.12 ac	6.19 gal
Load Large Square	12,725	3,000 ton	9.00 ton	3.85 gal
Move Large Bale	12,725	1,250 ton	12.22 ton	3.99 gal
Move Large Round	12,725	1,250 ton	12.11 ton	3.98 gal
No-Till Drill	40,000	1,000 ac	6.84 ac	6.07 gal
Pickett Windrowers	25,000	300 ac	7.02 ac	6.07 gal
Pipe D125' Lift	21,401	2,600 Al	2.25 Al	3.03 gal
Pivot D 125' Lift	50,000	2,600 AI	1.80 AI	3.34 gal
Pivot E 125' Lift	50,000	2,600 Al	1.80 Al	47.78 kw
Plant	40,000	1,000 ac	6.00 ac	2.73 gal
Plant Narrow Row	40,000	1,000 ac	4.11 ac	2.58 gal
Plant No-Till	40,000	1,000 ac	5.39 ac	3.38 gal
Ridge Cultivation	20,000	1,000 ac	6.00 ac	5.33 gal
Ridge Plant	40,000	1,000 ac	5.37 ac	3.41 gal
Rod Weeder	24,035	1,000 ac	13.20 ac	5.35 gal
Roll	NA	300 ac	9.00 ac	5.46 gal
Row Crop Cultivation	14,409	1,000 ac	6.00 ac	3.06 gal
Seeder/Packer	25,000	300 ac	4.91 ac	4.29 gal
Small Square Bale	23,560	1,250 Ton	3.92 Ton	1.91 gal
Spray	10,000	2,500 ac	22.00 ac	2.64 gal
Spray (on disc)	20,553	2,000 ac	66.00 ac	0.00 gal
Spray Liquid Fertilizer	20,553	1,000 ac	13.47 ac	1.68 gal
Spread Manure	Custom			
Spread, Fertilizer	Not Owned	Not Owned	12.70 ac	3.86 gal
Stack Small Square	12,725	1,250 ton	3.13 ton	1.76 gal
Subsoil	11,193	500 ac	8.25 ac	8.25 gal
Swath/Condition Hay	Incl. in Power	500 ac	8.05 ac	5.00 gal
Till-Plant Beets	50,000	300 ac	7.17 ac	9.11 gal
Top Beets	28,971	300 ac	5.79 ac	3.94 gal
Truck	Custom			
Turn Windrows	17,850	300 ac	11.40 ac	2.10 gal
Weed	Custom			
Windrow Grain	Incl. in Power	200 ac	9.50 ac	3.28 gal

Table 3. Material prices used for 2010 budgets

Item	Price	Item	Price
Custom Operation Rates		Insecticides	
Aerial Spray	\$7.50/ac	Brigade	\$1.20/oz
Bale Lg Sq 1200 lb	10.00/bale	Capture LFR	2.15/oz
Chop, Haul, Pack	6.00/ton	Force 3G Smart Box	6.00/lb
Dry 4 Points Removed	0.30/bu	Lorsban 15 G	2.35/lb
Haul Beets	3.00/ton	Mustang Max	2.00/oz
Haul Grain, bu	0.13/bu	Regent 4 SC	5.90/oz
Haul Grain, cwt (Dry Beans)	0.20/cwt	Warrior 11/Zeon	4.00/oz
Haul Grain (Millet)	0.20/cwt		
Haul Grain (Sunflower)	0.25/cwt	Herbicides	
Haul & Apply Manure	2.00/ton	2,4-D Amine	\$2.00/pt
Spray	6.00/ac	2,4-D Ester 4#	2.50/pt
Weeding/Thinning	36.00/ac	21-0-0-26S	0.40/lb
		Aim EW (was Aim)	7.20/oz
Rental		Ally Extra	8.00/oz
Grass Drill	\$8.00/ac	AAtrex 4L	6.00/qt
Seeder-Packer	10.00/ac	Authority First (was Authority)	4.40/oz
		Balance Flexx	4.50/oz
Fertilizers		Bicep II Magnum	12.50/qt
28-0-0	\$0.32/lb	Crop Oil Concentrate	1.13/pt
10-34-0	1.90/gal	Dicamba	0.44/oz
10-34-0-1Z	2.15/gal	Dual II Magnum	16.25/pt
11-52-0	0.22/lb	Expert	11.00/qt
46-0-0	0.43/lb N	Glyphosate	0.16/oz
82-0-0	0.27/lb N	Gramoxone Inteon	4.75/pt
Uncomposted Manure	6.00/ton	Landmaster BW	0.16/oz
		Lumax	17.50/qt
Fungicides		NIS	0.17/oz
Headline	\$3.00/oz	Peak	14.50/oz
Tilt	3.00/oz	Prowl H ₂ O	5.25/pt
		- Pursuit	5.16/oz
Seed		Pursuit Plus	7.88/pt
Alfalfa w/Inoculant	\$4.20/lb	Select max	1.17/oz
Corn	175.00/bag	Spartan 4 F	4.00/oz
Corn Bt ECB	225.00/bag	Spirit Spirit	13.00/oz
Corn Bt ECB & RW	225.00/bag	Эрин	13.00/02
Corn RR ECB & RW	250.00/bag	Crop Insurance	
Corn SmartStax	300.00/bag	Corn – Irrigated	\$21.00/ac
Edible Beans	50.00/ac	Corn – Rainfed	11.00/ac
Grass	2.80/lb	Soybeans – Irrigated	21.00/ac
Millet	0.60/lb	Soybeans – Rainfed	11.00/ac
Oats (alone)	8.00/bu	Drybeans — Rainled	21.00/ac
Oats (With Alfalfa)	8.00/bu	Sugar Beets	30.00/ac
RR Soybeans	43.00/bag	1	21.00/ac
Soybeans 2 yield	58.00/bag	Grain Sorghum	41.00/aC
Sorghum Safened/Seed	2.00/lb		
Sorghum Sudan	0.70/lb		
Sugarbeets RR Poncho	130.00/ac		
Sunflower	3.90/lb		
Wheat (Contiford)	0.13/lb		
Wheat (Certified)	0.20/lb		
Wheat (Certified with Dividend Extre	eme) 0.28/lb		

Table 3. Material prices used for 2010 budgets (continued)

Item	Price	Item	Price
Scouting		Other	
Corn – Irrigated	\$9.00/ac	Electrical Connect Fees	\$3.25/ac
Corn – Rainfed	6.00/ac	Electrical Usage Charge	0.0783/Kwh
Soybeans – Irrigated	8.75/ac	Electricity (Fence/Water)	2.00/ac
Soybeans – Rainfed	6.00/ac	Water Charge	35.00/ac
Drybeans	6.00/ac	Twine Large Bale	0.59/bale
Sugar Beets	6.00/ac	Twine Large Round	0.70/bale
Grain Sorghum	6.00/ac	Twine Large Square	0.45/bale
Wheat	6.00/ac	Twine Small Square	0.14/bale
Wheat	8.00/ac	Fence/water repairs	2.00/ac
		Move Cattle	12.00/hr
Real Estate		Taxes, Insurance, and Housing	2 % of value
Rainfed (State)	\$1,441/ac	Investment Interest Rate	4.00%
Rainfed (Panhandle)	464/ac	Operations Borrowing Rate	8.00%
Gravity (State)	3,109/ac	Operations Borrowing Time	6 months
Gravity (Panhandle)	1,495/ac	Real Estate Tax Rate	1% of value
Pivot (State)	3,304/ac		
Pivot (Panhandle)	1,535/ac		

Converting Energy Numbers in Budgets

If your energy source is different from that used in the 2010 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 kilowatthours of electricity, the multiplier is 14.12. If electricity is \$0.072 per kilowatt, the calculation would be $14.12 \times 0.072 = \$1.02$. The 2010 crop budgets use \$2.00/gallon of diesel. If you use electricity, the cost would be about 50 percent of that cost. However, with electricity you must also include connect charges and in order to get the best rates, you'll need to sign up for load management.

Table 4. Conversion of diesel to electricity, propane, gasoline, and natural gas*.

Energy Source	Units	Multiplier
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 Darrel Martin)

Diesel Fuel Conversion for Center Pivots

The 2010 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 various 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.

The producer could then calculate the additional cost since the diesel fuel required is now 4.74 gallons per acre inch vs. 1.88 gallons per acre inch or 2.86 gallons more per acre inch. If a crop budget requires 9 inches, the additional diesel fuel would be 9 inches x 2.86 gallons = 25.74 gallons of diesel at \$2.00/gallon. The producer's additional cost would be \$51.48/acre.

Table 5. Table for adjusting the amount of diesel fuel required for center pivots for lifts and pressures other than the 125 feet of lift and 35 psi used in the budgets. Gallons of diesel fuel required to pump an acre inch of water at pump performance ratings of 100 percent*. (From Estimating the Savings From Improving Pumping Plant Performance by Derrel Martin).

Lift		Pressure at Pump, psi										
Feet	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				
*Multiplier v	*Multiplier when pumping plant performance rating is less than 100 percent											
Rating % 100 90 80 70 60 50												
Multiplier	1.00	1.11	1.25	1.43	1.67	2.00						

2010 Budget 1. Alfalfa, Fall Establishment Rainfed

	Times Labor @ Fuel @ \$2 Repairs Ownership									Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
L	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Harrow	1	0.71	0.22	0.13	0.19	0.74	0.85	2.84	
1	Harrow	1	0.71	0.22	0.13	0.19	0.74	0.85	2.84	
5	Roll	1	1.33	1.21	0.28	0.00	1.52	0.00	4.34	
6	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
7	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.02	
	Total for Field Operations		\$7.60	\$5.50	\$1.37	\$3.79	\$9.65	\$4.77	\$32.68	
					Donor	A 551;	cation			
				Operation	Percent Acres	Арри		Applied		Your
	Materials and Services	Index	Applied	Rate	Unit	Price	Total	Estimate		
	11-52-0	Fertilizer		1	100%	100	pounds	0.22	22.00	
	Alfalfa w/Inoculant	Seed		6	100%	12	pounds	4.20	50.40	
	Pursuit	Herbici	de	7	100%	4	ounces	5.16	20.63	
	Crop Oil Concentrate	Herbici	de	7	100%	2	pints	1.13	2.26	
	*Lorsban 4 E	Insectic	ide	8	50%	1	pint	5.25	2.63	
	Total Materials & Services								\$97.92	
	*Insecticide for potato leafhopper	·s.								
	Total listed costs for Field	Operatio	ns and Ma	terials and 9	Services				130.60	
	Interest on Opera					0% for 6 1	months		4.65	
	Total Operating and Use-I				1100 0 0.00				\$135.25	
Total of training and one remied of the total of the tota										
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting None								0.00	
	Crop Insurance None								0.00	
	Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 4.00%								57.64	
	Real Estate Taxes			\$1,441 per	acre @ 1.	00%			14.41	
	Total Cost per Acre Includ	ing Overl	nead						\$212.30	

2010 Budget 2. Alfalfa, Spring-seeded with Herbicides (2.5 ton) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Ownership			Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Seeder/Packer	1	2.69	1.75	0.28	1.03	6.19	4.45	16.40	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
6	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
7	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
8	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
9	Sm Sq Bale	2.5 ton	7.65	2.43	1.58	9.75	8.72	2.36	32.49	
10	Stack Sm Sq	2.5 ton	9.58	2.81	1.98	0.00	10.92	1.10	26.39	
	Total for Field Operations		\$27.11	\$12.92	\$8.78	\$12.89	\$35.76	\$11.64	\$109.10	
					ъ .	Appli	antinu			
				Operation	Percent Acres	Арри	cation	Applied		Your
	Materials and Services	Index	Applied	Rate	Unit	Price	Total	Estimate		
	11-52-0 Fertilizer			1	100%	100	pounds	0.22	22.00	
	Seeder-Packer	Rental		4	100%	1	acre	10.00	10.00	
	Alfalfa w/Inoculant	Seed		4	100%	12	pounds	4.20	50.40	
	*Lorsban 4 E	Insectic	ide	5	50%	1	pint	5.25	2.63	
	Pursuit	Herbicio	de	6	100%	4	ounces	5.16	20.63	
	Crop Oil Concentrate	Herbicio	de	6	100%	2	pints	1.13	2.26	
	Twine Sm Sq	Other		9	100%	100	bales	0.14	14.00	
	Total Materials & Services								\$121.91	
	*Insecticide for potato leafhoppers	and alfalfa	weevils.							
	Total listed costs for Field (Operatio	ns and Ma	terials and S	Services				\$231.01	
	Interest on Opera					———— % for 6 m	onths		\$7.34	
	Total Operating and Use-R								\$ 238.35	
	1 0		•							
	Overhead (accounting, liab		rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting None							0.00		
	Crop Insurance None						0.00			
	Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 4.00%							57.64		
	Real Estate Taxes \$1,441 per acre @ 1.00%								14.41	
	Total Cost per Acre Including Overhead									
	Cost per Ton								\$126.16	
	Cash Cost per Ton								\$76.38	

2010 Budget 3. Alfalfa, Spring-seeded with Herbicides (3.3 ton) Pivot 800 GPM 35 PSI Year, 12 Acre-inches

Field Operations			Times	Labor @	Fuel @ \$2		Ownership			Your	
1 Spread, Fertilizer		Field Operations				Power	Ітр.	Power	Ітр.	Total	
Disc	1			0.94	0.61					2.82	
Seeder/Packer	2	•	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
Spray	3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
Cost per Ton	4	Seeder/Packer	1	2.69	1.75	0.28	1.03	6.19	4.45	16.40	
PrivotD 125'Lift	5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
Seed	6	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
9 Turn Windrows	7	PivotD 125'Lift	12 AI	5.00	44.53	3.92	13.83	10.79	8.27	86.35	
10 Lg Sq Bale 3.3 ton 2.71 2.54 0.29 2.99 6.24 6.06 20.83	8	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
11	9	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
Total for Field Operations	10	Lg Sq Bale	3.3 ton	2.71	2.54	0.29	2.99	6.24	6.06	20.83	
Total for Field Operations	11	Load Lg Sq	3.3 ton	4.84	2.82	0.51	0.00	11.14	0.60	19.92	
Materials and Services	12	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
Materials and Services		Total for Field Operations		\$22.72	\$57.69	\$10.00	\$20.07	\$44.58	\$23.25	\$178.33	
Materials and Services											
Materials and Services							Appli	cation	4 1 . 1		17
11-52-0 Fertilizer 1 100% 100 pounds 0.22 22.00		Materials and Services			1		Rate	I Init		Total	
Seeder-Packer Rental 4 100% 1 acre 10.00 10.00			Fertilize	r							Estimate
Alfalfa w/Inoculant Seed 4 100% 12 pounds 4.20 50.40 *Lorsban 4 E				1				_			
*Lorsban 4 E											
Pursuit Herbicide 6 100% 4 ounces 5.16 20.63				ide							
Crop Oil Concentrate								-			
Twine Lg Sq Other 10 100% 4.8 bales 0.45 2.16 Lorsban 4 E Insecticide 12 100% 1 pint 5.25 5.25 Total Materials & Services \$115.32 *Insecticide for potato leafhoppers. Total listed costs for Field Operations and Materials and Services \$293.65 Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months \$7.34 Total Operating and Use-Related Ownership Costs \$302.68 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30											
Lorsban 4 E Insecticide 12 100% 1 pint 5.25 5.25 Total Materials & Services \$115.32 *Insecticide for potato leafhoppers. Total listed costs for Field Operations and Materials and Services \$293.65 Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months \$7.34 Total Operating and Use-Related Ownership Costs \$302.68 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30								-			
Total Materials & Services *Insecticide for potato leafhoppers. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting None Crop Insurance None None Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% Real Estate Taxes \$33.04 Total Cost per Acre Including Overhead Cost per Ton \$143.30				ide							
*Insecticide for potato leafhoppers. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months \$7.34 Total Operating and Use-Related Ownership Costs \$302.68 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30								1			
Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months \$7.34 Total Operating and Use-Related Ownership Costs Scouting None Crop Insurance Real Estate Opportunity Rainfed (State) Real Estate Taxes \$3,304 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Ton \$143.30			S.							1 +	
Interest on Operating Capital \$225.81 cash expense @ 8.00% for 6 months \$7.34 Total Operating and Use-Related Ownership Costs Scouting None Crop Insurance Real Estate Opportunity Rainfed (State) Real Estate Taxes \$3,304 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Ton \$143.30											
Total Operating and Use-Related Ownership Costs \$302.68 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30											
Overhead (accounting, liability insurance, vehicle cost, office expense)5.00ScoutingNone0.00Crop InsuranceNone0.00Real Estate OpportunityRainfed (State)\$3,304 per acre @ 4.00%\$132.16Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$472.88Cost per Ton\$143.30											
Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30		Total Operating and Use-R		\$302.68							
Scouting None 0.00 Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30		Overhead (accounting, liability insurance, vehicle cost, office expense)									
Crop Insurance None 0.00 Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30				· ·		1					
Real Estate OpportunityRainfed (State)\$3,304 per acre @ 4.00%\$132.16Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$472.88Cost per Ton\$143.30		Crop Insurance None									
Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30		-		(State)	\$3,304 per	acre @ 4.0	00%				
Total Cost per Acre Including Overhead \$472.88 Cost per Ton \$143.30				. /	-						
Cost per Ton \$143.30		Total Cost per Acre Including Overhead									
•											
Cash Cost per 1011		Cash Cost per Ton								\$71.16	

2010 Budget 4. Alfalfa, Established with Oats (2.25 tons) Canal Irrigated, 18 Acre-inches

			Labor @	Fuel @ \$2	Rep	airs	Owne	ership		Your
	Field Operations	Times or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
3	Roll	1	1.33	1.21	0.28	0.00	1.52	0.00	4.34	
4	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
6	Corrugate	1	1.88	1.25	0.35	0.91	1.95	5.50	11.84	
7	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
8	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
9	Lg Rd Bale	2.25 ton	2.28	0.99	0.43	2.25	2.36	2.64	10.95	
10	Move Lg Rd	2.25 ton	2.51	1.51	0.47	0.00	2.60	1.01	8.09	
11	Ditch Irrigation	18 AI	35.00						35.00	
	Total for Field Operations		\$50.76	\$11.24	\$6.63	\$6.45	\$18.17	\$13.25	\$106.50	
					D (Appli	cation			
				Operation	Percent Acres	Appli	lation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	2	100%	100	pounds	0.22	22.00	
	Alfalfa w/Inoculant	Seed		4	100%	12	pounds	4.20	50.40	
	Oats	Seed		4	100%	0.5	bushel	8.00	4.00	
	*Lorsban 4 E	Insectic	ide	5	50%	1	pint	5.25	2.63	
	Twine Lg Rd	Other		9	100%	4	bales	0.70	2.80	
	Water Charge	Other		11	100%	1	acre	35.00	35.00	
	Total Materials & Services								\$116.83	
	*Insecticide for potato leafhoppers	S.								
	Total listed costs for Field C	peration	s and Mate	erials and Se	rvices				\$223.32	
	Interest on Opera					% for 6 m	onths		\$7.68	
	Total Operating and Use-R						-		\$231.00	
			_							<u>'</u>
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting None								0.00	
	Crop Insurance None								0.00	
	Real Estate Opportunity Gravity (Panhandle) \$1,495 per acre @ 4.00%								\$59.80	
	Real Estate Taxes \$1,495 per acre @ 1.00%								\$14.95	
	Total Cost per Acre Including Overhead									
	Cost per Ton								\$138.11	
	Cash Cost per Ton								\$3.41	

2010 Budget 5. Alfalfa, Large Round Bales (4.4 tons) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Swath/Cond Hay	4	5.96	4.97	8.55	0.00	6.21	0.00	25.69	
2	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
3	Double Windrows	3	3.20	1.02	0.60	0.19	3.31	8.63	16.95	
4	Lg Rd Bale	4.4 ton	4.36	1.90	0.82	4.31	4.52	5.04	20.95	
5	Move Lg Rd	4.4 ton	4.80	2.89	0.90	0.00	4.97	1.93	15.49	
6	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
	Total for Field Operations		\$19.52	\$11.21	\$11.11	\$4.73	\$20.36	\$18.23	\$85.16	
					Percent	Appli	cation			
				Operation	Acres	Арри	Lation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Twine Lg Rd	Other		4	100%	5.8	bales	0.70	4.06	
	*Mustang Max	Insectic	ide	6	25%	3	ounces	2.00	1.50	
	Total Materials and Service	es							\$5.56	
	*Insecticide for cutworms, grassh	oppers, aph	ids, etc.							
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$90.72	
	Interest on Opera					for 6 mc	onths		\$2.08	
	Total Operating and Use-R								\$92.80	
	1 8									
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	None							0.00	
	Crop Insurance	None							0.00	
	Real Estate Opportunity Pivot (State)			\$3,304 pe	r acre @ 4	.00%			\$132.16	
	Real Estate Taxes			\$3,304 per	acre @ 1.	00%			\$33.04	
	Total Cost per Acre Includ	nead						\$263.00		
	Cost per Ton							\$59.77		
	Cash Cost per Ton							\$12.32		

2010 Budget 6. Alfalfa, Large and Small Bales (6.6 tons) Pivot 800 GPM 35 PSI, 16 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Swath/Cond Hay	5	7.45	6.21	10.69	0.00	7.77	0.00	32.12	
3	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
4	Double Windrows	4	4.26	1.36	0.80	0.26	4.41	11.51	22.60	
5	Lg Sq Bale	4.4 ton	3.61	3.39	0.38	3.99	8.31	8.09	27.77	
6	Load Lg Sq	4.4 ton	6.45	3.77	0.68	0.00	14.85	0.81	26.56	
7	Sm Sq Bale	2.2 ton	6.73	2.14	1.39	8.58	7.67	2.08	28.59	
8	Stack Sm Sq	2.2 ton	8.43	2.47	1.74	0.00	9.61	0.97	23.22	
9	PivotE 125'Lift	16 AI	6.67	33.25	6.25	18.44	4.20	11.03	79.85	
10	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
11	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
	Total for Field Operations		\$45.91	\$53.68	\$22.40	\$31.55	\$59.41	\$37.16	\$250.13	
					Percent	Appli	cation	l		<u> </u>
				Operation	Acres	түри		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	75	pounds	0.22	16.50	
	Twine Lg Sq	Other		5	67%	9.8	bales	0.45	2.94	
	Twine Sm Sq	Other		7	33%	265	bales	0.14	12.37	
	*Elec Connect Fees	Other		9	100%	1	acre	3.25	3.25	
	Pursuit	Herbicio	de	10	25%	4.5	ounces	5.16	5.80	
	Crop Oil Concentrate	Herbicio	de	10	25%	2	pints	1.13	0.57	
	**Mustang Max	Insectic	ide	11	25%	3	ounces	2.00	1.50	
	Total Materials and Service	es							\$42.92	
	*Electrical connection fee 6 month **Insecticide for cutworms, grassl									
									Ι.	ı
	Total listed costs for Field								\$293.05	
	Interest on Opera				ise @ 8.00	% for 6 m	onths		\$7.86	
	Total Operating and Use-Related Ownership Costs								\$300.91	
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	None							0.00	
	Crop Insurance	None							0.00	
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.0	00%			\$132.16	
	Real Estate Taxes			\$3,304 per	304 per acre @ 1.00%					
	Total Cost per Acre Includi	ng Overl	nead						\$471.11	
	Cost per Ton								\$71.38	
	Cash Cost per Ton								\$30.96	

2010 Budget 7. Alfalfa, Large Square Bales (6.6 tons) Canal Irrigated, 22 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
2	Swath/Cond Hay	5	7.45	6.21	10.69	0.00	7.77	0.00	32.12	
3	Turn Windrows	1	1.05	0.37	0.22	0.17	1.20	2.57	5.58	
4	Double Windrows	4	4.26	1.36	0.80	0.26	4.41	11.51	22.60	
5	Lg Sq Bale	Custom	3.61	3.39	0.38	3.99	8.31	8.09	27.77	
6	Load Lg Sq	6.6 ton	9.68	5.65	1.03	0.00	22.27	1.21	39.84	
7	Corrugate	1	1.88	1.25	0.35	0.91	1.95	5.50	11.84	
8	Ditch Irrigation	22 AI	42.78						42.78	
9	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
10	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
	Total for Field Operations		\$68.35	\$15.57	\$13.33	\$1.45	\$38.99	\$20.91	\$158.59	
					Percent	Appli	cation			
				Operation	Acres	түри		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	er	1	100%	75	pounds	0.22	16.50	
	Bale Lg Sq 1200 lb	Custom		5	100%	9.8	bales	10.00	98.00	
	Water Charge	Other		8	100%	1	acre	35.00	35.00	
	Pursuit	Herbici	de	9	25%	4.5	ounces	5.16	5.80	
	Crop Oil Concentrate	Herbici	de	9	25%	2	pints	1.13	0.57	
	*Mustang Max	Insectic	ide	10	25%	3	ounces	2.00	1.50	
	Total Materials and Service	es							\$157.37	
	*Insecticide for cutworms, grassh	oppers, aph	ids, etc.							
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$315.96	
	Interest on Opera					% for 6 m	onths		\$10.24	
	Total Operating and Use-R					70 101 0 11			\$326.20	
	Total Operating and Ose-F	terated O	whership	COSIS					\$320.20	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	None							0.00	
	Crop Insurance	None							0.00	
	Real Estate Opportunity	Gravity	(State)	\$3,109 per	acre @ 4.0	00%			\$124.36	
	Real Estate Taxes		\$3,109 per	acre @ 1.0	00%			\$31.09		
	Total Cost per Acre Includ	ing Overl	nead						\$486.65	
	Cost per Ton								\$73.73	
	Cash Cost per Ton								\$40.35	

2010 Budget 8. Corn, Conventional, Continuous, 90 bu Yield Goal (85 bu Actual) Rainfed

				T 10 40	Rep	airs	Own	ership		
	F' 110	Times	Labor @	Fuel @ \$2	D	τ	D	τ.	T . 1	Your
1	Field Operations Chisel	or Qty	\$12/Hr 1.19	and Lube 1.49	Power 0.13	<i>Imp.</i> 0.81	Power 2.74	<i>Imp.</i>	Total 10.73	Estimate
								4.38		
2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
6	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
7	Row Crop Cultivation	0.25	0.50	0.25	0.06	0.20	1.27	0.20	2.48	
8	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
9	Spray	Custom	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
10	Combine Rainfed Corn	1	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
11	Cart	85 bu	0.43	0.46	0.08	0.03	0.45	0.54	1.99	
12	Truck	Custom								
13	Dry Grain	Custom								
14	•	1	1.07	0.93	0.11	0.31	2.46	1.55	6.44	
	Total for Field Operations		\$12.84	\$11.57	\$4.80	\$9.74	\$33.58	\$17.29	\$89.82	
						A 1*	4:-			
					Percent	Appli	cation I	, ,, ,		
	16 . 11 . 10 . 1			Operation	Acres	ъ .	77.	Applied	T . 1	Your
	Materials and Services	T 111		Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	2	100%	85	lbs N	0.27	22.95	
	Corn	Seed	. 1	4	100%	0.16	bag	175.00	28.44	
	*Regent 4 SC	Insectic		4	100%	4.16	ounces	5.90	24.54	
	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40	
	Bicep II Magnum	Herbicio		5	100%	2.1	quarts	12.50	26.25	
	Spray	Custom		8	25%	1	acre	6.00	1.50	
	Spirit	Herbicio		8	25%	1	ounce	13.00	3.25	
	Crop Oil Concentrate	Herbicio		8	25%	2	pints	1.13	0.57	
	*Spray	Custom		9	50%	1	acre	6.00	3.00	
	*Lorsban 15 G	Insectic		9	10%	5	pounds	2.35	1.18	
	*Brigade	Insectic		9	10%	2.5	ounces	1.20	0.30	
	*Brigade	Insectic		9	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		9	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		12	100%	85	bushels	0.13	11.05	
	Dry 4 Points Removed	Custom		13	100%	85	bushels	0.30	25.50	
	Total Materials and Service								\$161.34	
	*Insecticides for rootworm, 1st &	2nd brood I	European cor	n borer, spider	mites, and w	restern bean	cutworm, r	espectively.		
	Total listed costs for Field								\$251.16	
	Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months								\$8.01	
	Total Operating and Use-Related Ownership Costs								\$259.17	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Corn - I		,	1	,			6.00	
	Crop Insurance	Corn - I							11.00	
	Real Estate Opportunity	Rainfed		\$1,441 per	acre @ 4 (00%			\$57.64	
	Real Estate Taxes	Tailied	(State)	\$1,441 per					\$14.41	
	Total Cost per Acre Includ	ing Overl	nead	ψ1,111 pcl	ucic @ 1.0	, , , , ,			\$353.22	
	Cost per Bushel	5 0 1011	1044						\$4.16	
	Cash Cost per Bushel		\$2.65							
\Box	Cault Cost per Dustici								Ψ2.03	

2010 Budget 9. Corn, No-till, RR & Bt, RW & ECB, Continuous, 110 bu Yield Goal (100 bu Actual) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray liquid fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	Custom	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	Combine Rainfed Corn	1	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
6	Cart	100 bu	0.51	0.54	0.10	0.03	0.53	0.64	2.34	
7	Truck	Custom	0.50	0.25	0.06	0.20	1.27	0.20	2.48	
8	Dry Grain	Custom	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
	Total for Field Operations	I	\$6.94	\$6.10	\$4.16	\$7.64	\$19.20	\$7.78	\$51.82	
		I		l	l '	. 1.		I		
					Percent	Appli	cation			
	Matariala and Cami			Operation	Acres	D ata	17:4	Applied	To4 -1	Your
	Materials and Services	E(*1*)		Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize		1	100%	110	lbs N	0.32	35.20	
	Expert	Herbicio	de	1	100%	3	quarts	11.00	33.00	
	Corn Bt ECB & RW	Seed		2	80%	0.20	bag	250.00	40.00	
	Corn	Seed		2	20%	0.20	bag	175.00	7.00	
	*Regent 4 SC	Insectic		2	20%	4.16	ounces	5.90	4.91	
	10-34-0	Fertilize		2	100%	6	gallons	1.90	11.40	
	Glyphosate w/Surf	Herbicio		3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		3	100%	1.7	lbs N	0.53	0.90	
	*Spray	Custom		4	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		4	2%	2	pounds	2.35	0.09	
	*Brigade	Insectic		4	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic	ide	4	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		7	100%	100	bushels	0.13	13.00	
	Dry 4 Points Removed	Custom		8	100%	100	bushels	0.30	30.00	
	Total Materials and Servic								\$183.84	
	*Insecticides for rootworm (refug	e), 1st brood	l European co	orn borer (10%	of refuge), s	pider mites	, and wester	n bean cutw	orm, respectively	y .
	Total listed costs for Eigld	Onoratio	ne and Ma	torials and 6	Convices				\$235.66	
	Total listed costs for Field					0/ for 6				
	Interest on Opera				ise @ 8.00	% ior 6 m	ionths		\$8.35 \$244.01	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liab		5.00							
	Scouting	Corn - I	Rainfed						6.00	
	Crop Insurance	Corn - I	Rainfed						11.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per	acre @ 4.0	00%			\$57.64	
	Real Estate Taxes		,	\$1,441 per					\$14.41	
	Total Cost per Acre Includ	ing Overl	nead						\$338.06	
	Cost per Bushel								\$3.38	
	Cash Cost per Bushel								\$2.34	

2010 Budget 10. Corn, No-till, SmartStax, Continuous, 118 bu Yield Goal (107 bu Actual) Rainfed

		T:	I -1 @	F1 @ #2	Rep	airs	Own	ership		V
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	Limmic
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	Custom	2.20	0.24	0.11	4.07	2.28	2.14	12.01	
5	Combine Rainfed Corn	1	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
6	Cart	107 bu	0.54	0.58	0.10	0.04	0.56	0.68	2.50	
7	Truck	Custom	0.50	0.25	0.06	0.20	1.27	0.20	2.48	
8	Dry Grain	Custom	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
	Total for Field Operations	Guotom	\$6.97	\$6.14	\$4.17	\$7.64	\$19.24	\$7.82	\$51.99	
	Total for field operations		φοιση	φο.11	Ψ1,17	Ψ7.01	ψ1>.21	Ψ7.02	ψυτινν	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	r	1	100%	118	lbs N	0.32	37.76	
	Expert	Herbicio	de	1	100%	3	quarts	11.00	33.00	
	Corn SmartStax	Seed		2	95%	0.22	bag	350.00	72.73	
	Corn	Seed		2	5%	0.22	bag	175.00	1.91	
	*Regent 4 SC	Insectic	ide	2	5%	4.16	ounces	5.90	1.23	
	10-34-0	Fertilize	r	2	100%	6	gallons	1.90	11.40	
	Glyphosate w/Surf	Herbicio	de	3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	3	100%	1.7	lbs N	0.53	0.90	
	*Spray	Custom		4	30.5%	1	acre	6.00	1.83	
	*Lorsban 15 G	Insectic	ide	4	0.5%	2	pounds	2.35	0.02	
	*Brigade	Insectic	ide	4	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic	ide	4	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		7	100%	107	bushels	0.13	13.91	
	Dry 4 Points Removed	Custom		8	100%	107	bushels	0.30	32.10	
	Total Materials and Service	es 17,500	seeds per a	cre, 80,000 s	seeds per l	bag, 5% r	efuge		\$213.21	
	*Insecticides for rootworm (refuge	e), 1st brood	l European co	orn borer (10%	of refuge), s	pider mites	, and wester	n bean cutw	orm, respectivel	y.
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$265.20	
	Interest on Opera					% for 6 m	nonths		\$9.53	
	Total Operating and Use-R	<u> </u>				,,, 101 0 11			\$274.73	
	Total Operating and Osc-N						ΨΔ/ 1./ 3			
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Corn - I	Rainfed						6.00	
	Crop Insurance	Corn - I	Rainfed						11.00	
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.0	00%			\$57.64		
	Real Estate Taxes		\$1,441 per	acre @ 1.0	00%			\$14.41		
	Total Cost per Acre Includi	ing Overl	nead						\$368.78	
	Cost per Bushel								\$3.45	
	Cash Cost per Bushel								\$2.47	

2010 Budget 11. Corn, No-Till, Bt ECB After Soybean, 120 bu Yield Goal (110 bu Actual) Rainfed

		<i>T</i> .	110	F 10 #2	Rep	airs	Own	ership		17
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Limmic
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3	Spray	1	0.60	0.24	0.40	0.21	0.62	0.25	2.03	
4	Spray	0.25	0.00	0.06	0.11	0.21	0.02	0.23	0.51	
5	Spray	Custom	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
6	Combine Rainfed Corn	1	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
7	Cart	110 bu	0.56	0.59	0.10	0.04	0.58	0.70	2.57	
8	Truck	Custom	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
9	Dry Grain	Custom								
	Total for Field Operations		\$6.76	\$6.21	\$4.21	\$7.62	\$17.78	\$6.89	\$49.46	
					Percent	Appli	cation			
				Operation	Acres	- 11		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	r	1	100%	75	lbs N	0.32	24.00	
	Corn Bt ECB	Seed		2	80%	0.22	bag	225.00	39.38	
	Corn	Seed		2	20%	0.22	bag	175.00	7.66	
	10-34-0	Fertilize		2	100%	6	gallons	1.90	11.40	
	Expert	Herbicio		3	100%	3	quarts	11.00	33.00	
	21-0-0-26S	Fertilize		3	100%	1.7	lbs N	0.53	0.90	
	Spirit	Herbicio		4	25%	1	ounce	13.00	3.25	
	Crop Oil Concentrate	Herbicio		4	25%	2	pints	1.13	0.57	
	*Spray	Custom		5	34%	1	acre	6.00	2.04	
	*Lorsban 15 G	Insectic		5	2%	2	pounds	2.35	0.09	
	*Brigade	Insectic		5	2%	2.5	ounces	1.20	0.06	
	*Brigade	Insectic		5	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		5	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		8	100%	110	bushels	0.13	14.30	
	Dry 4 Points Removed	Custom			50%	110	bushels	0.30	16.50	
	Total Materials and Service *Insecticides for 1st & 2nd brood 1							rm, respecti	\$154.56 vely.	
	Total listed costs for Field					0.4.6			\$204.01	
	Interest on Opera	<u> </u>			ise @ 8.00	% for 6 m	nonths		\$7.17	
	Total Operating and Use-R	elated O	wnership (Costs					\$211.19	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Corn - I							6.00	
	Crop Insurance	Rainfed						11.00		
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.	00%			\$57.64		
	Real Estate Taxes		\$1,441 per	acre @ 1.0	00%			\$14.41		
	Total Cost per Acre Includi	ng Overl	nead						\$305.24	
	Cost per Bushel								\$2.77	
	Cash Cost per Bushel								\$1.85	

2010 Budget 12. EcoFallow Corn, Follows Wheat, 2 Crops in 3 Years, RR & Bt ECB, 120 bu Yield Goal (110 bu Actual) Rainfed

			r 1 0	T. 10 40	Rep	airs	Own	ership		
	E:-11 Obti	Times	Labor @	Fuel @ \$2	D	T6	D	76	T-4-1	Your
1	Field Operations	or Qty	\$12/Hr 0.60	and Lube 0.24	Power	<i>Imp.</i> 0.21	<i>Power</i> 0.62	<i>Imp.</i> 0.25	Total 2.03	Estimate
1	Spray	1			0.11					
2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
5	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
6	Spray	Custom	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
7	Combine Rainfed Corn	1	2.40	3.82	3.39	2.01	13.26	3.50	28.38	
8	Cart	110 bu	0.56	0.59	0.10	0.04	0.58	0.70	2.57	
9	Truck	Custom								
10	Dry Grain	Custom								
	Total for Field Operations		\$7.81	\$6.63	\$4.41	\$7.99	\$18.86	\$7.31	\$53.01	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
	AAtrex 4L	Herbicio	de	2	100%	1.5	quarts	6.00	9.00	
	Glyphosate w/Surf	Herbicio	de	2	100%	32	ounces	0.16	5.00	
	28-0-0	Fertilize	r	3	100%	120	lbs N	0.32	38.40	
	AAtrex 4L	Herbicio	de	3	100%	0.5	quart	6.00	3.00	
	Balance Flexx	Herbicio	de	3	100%	4	ounces	4.50	18.00	
	10-34-0	Fertilize	r	4	100%	6	gallons	1.90	11.40	
	Corn Bt ECB	Seed		4	80%	0.22	bag	225.00	39.38	
	Corn	Seed		4	20%	0.22	bag	175.00	7.66	
	Glyphosate w/Surf	Herbicio	de	5	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	5	10%	1.7	lbs N	0.53	0.09	
	*Spray	Custom		6	34%	1	acre	6.00	2.04	
	*Lorsban 15 G	Insectici	ide	6	2%	2	pounds	2.35	0.09	
	*Brigade	Insectici	ide	6	2%	2.5	ounces	1.20	0.06	
	*Brigade	Insectic	ide	6	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectici	ide	6	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		9	100%	110	bushels	0.13	14.30	
	Dry 4 Points Removed	Custom		10	100%	110	bushels	0.30	33.00	
	Total Materials and Service	es 17,500	seeds per a	acre, 80,000	seeds per	bag, 20%	refuge		\$245.84	
	*Insecticides for 1st & 2nd brood 1	European co	orn borer (10	% of refuge), sp	oider mites,	and western	bean cutwo	rm, respecti	vely.	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$254.63	
	Interest on Opera					% for 6 m	onthe		\$8.79	
	Total Operating and Use-R				0.00	70 101 U II	10111110		\$211.19	
	Total Operating and Use-R	Cusis					φ411.17			
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Corn - I							6.00	
	Crop Insurance	Corn - I	Rainfed						11.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per					\$57.64	
	Real Estate Taxes			\$1,441 per	acre @ 1.0	00%			\$14.41	
	Total Cost per Acre Includi	ing Overl	nead						\$348.68	
	Cost per Bushel								\$3.17	
	Cash Cost per Bushel								\$2.23	

2010 Budget 13. Corn, Ridge-Till, Bt, ECB & RW, Continuous, 220 bu Yield Goal (205 bu Actual) Gravity 1,000 GPM 10 PSI, 18 Acre-Inches

					Rep	airs	Own	ership		
		Times	Labor @	Fuel @ \$2						Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	
2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
3	Ridge Plant	1	2.46	1.27	0.26	5.15	5.66	2.19	16.99	
4	Hoe	0.1	0.09	0.05	0.01	0.02	0.21	0.01	0.39	
5	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
6	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
7	Spray	Custom								
8	Pipe D125' Lift	18 AI	21.00	48.48	4.70	3.42	12.94	6.08	96.63	
9	Combine Irr Corn	1	3.30	5.25	4.66	4.18	18.23	3.50	39.12	
10	Cart	205	1.04	1.10	0.20	0.07	1.08	1.30	4.79	
11	Truck	Custom								
12	Dry Grain	Custom								
13	Chop Stalks	1	1.07	0.93	0.11	0.31	2.46	1.55	6.44	
	Total for Field Operations		\$34.76	\$62.31	\$10.97	\$16.26	\$49.13	\$19.93	\$193.37	
		I				4 11		I		
					Percent	Applı	cation			
				Operation	Acres	_		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbicio		1	20%	1.5	pints	2.50	0.75	
	82-0-0	Fertilize		2	100%	220	lbs N	0.27	59.40	
	10-34-0	Fertilize		3	100%	6	gallons	1.90	11.40	
	Bicep II Magnum	Herbici	de	3	40%	1.8	quarts	12.50	9.00	
	Corn Bt ECB&RW	Seed		3	80%	0.37	bag	250.00	73.75	
	Corn	Seed		3	20%	0.37	bag	175.00	12.91	
	*Regent 4 SC	Insectic		3	20%	4.16	ounces	5.90	4.91	
	*Spray	Custom		7	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		7	2%	5	pounds	2.35	0.24	
	*Brigade	Insectic		7	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		7	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		11	100%	205	bushels	0.13	26.65	
	Dry 4 Points Removed	Custom		12	100%	205	bushels	0.30	61.5	
	Total Materials and Service							1 :	\$263.83	ļ
	*Insecticides for rootworm (refug	e), 1st brood	1 European co	orn borer (10%	ot retuge),	spider mites	, and wester	n bean cutw	orm, respectively	<i>y</i> -
	m . 11: . 1	0	13.6	. • 1 • •					φ457.20	
	Total listed costs for Field					0.4.6.			\$457.20	
	Interest on Opera				ise @ 8.00	% tor 6 m	nonths			
	Total Operating and Use-Related Ownership Costs								\$15.53	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expens	e)			5.00	
	Scouting	Corn - 1	rrigated						\$9.00	
	Crop Insurance		rrigated						\$21.00	
	Real Estate Opportunity	Gravity		\$3,109 per	acre @ 4 (00%			\$124.36	
	Real Estate Taxes	Gravity	(State)	\$3,109 per					\$31.09	
	Total Cost per Acre Includ	ing Overl	nead	ψο,107 pc1	C 1.				\$663.18	
	Cost per Bushel	ing Over1	ıcau						\$3.24	
	Cash Cost per Bushel								\$3.24	
	Casii Cost pei Dusiiei								J ⊅2.1∠	

2010 Budget 14. Corn, Ridge-Till, SmartStax, Continuous, 235 bu Yield Goal, (220 bu Actual) Gravity 1,000 GPM 10 PSI, 18 Acre-inches

Field Operations						Rep	airs	Own	ership		
Spray			Times	Labor @	Fuel @ \$2	Тер		0 1111			Your
Anhydrous Apply		Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
3 Ridge Plant	1	Spray	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	
Hue	2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
Second	3	Ridge Plant	1	2.46	1.27	0.26	5.15	5.66	2.19	16.99	
6 Ridge Cultivation 1 2.00 1.78 0.41 1.12 2.28 1.09 8.69 7 Spray	4	Hoe	0.1	0.09	0.05	0.01	0.02	0.21	0.01	0.39	
Total Percent Application Applied Percent Applied Ap	5	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
Regent 4 SC	6	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
Regent Pipe D125*Lift 18 AI 21.00 48.48 4.70 3.42 12.94 6.08 96.63	7	Spray	Custom								
10 Cart 220 1.12 1.18 0.21 0.07 1.16 1.40 5.14 11 Truck	8		18 AI	21.00	48.48	4.70	3.42	12.94	6.08	96.63	
Truck	9		1							39.12	
Truck	10	Cart	220	1.12	1.18	0.21	0.07	1.16	1.40	5.14	
12 Dry Grain	11		Custom								
13 Chop Stalks	12		Custom								
Total for Field Operations	13		1	1.07	0.93	0.11	0.31	2,46	1.55	6.44	
Naterials and Services											
Materials and Services											
Materials and Services						Percent	Appli	cation			
2,4-D Ester 4# Herbicide 1 20% 1.5 pints 2.50 0.75					Operation	Acres			Applied		Your
82-0-0 Fertilizer 2 100% 235 lbs N 0.27 63.45 10-34-0 Fertilizer 3 100% 6 gallons 1.90 11.40 Bicep II Magnum Herbicide 3 40% 1.8 quarts 12.50 9.00 Corn SmartStax Seed 3 95% 0.40 bag 350.00 133.00 Seed 3 55% 0.40 bag 175.00 3.50 3.50 Regent 4 SC Insecticide 3 20% 4.16 ounces 5.90 4.91 4.0 A.0 A		Materials and Services			Index	Applied	Rate	Unit		Total	Estimate
10-34-0 Fertilizer 3 100% 6 gallons 1.90 11.40		2,4-D Ester 4#	Herbici	de	1	20%	1.5	pints	2.50	0.75	
Bicep II Magnum		82-0-0	Fertilize	r	2	100%	235	lbs N	0.27	63.45	
Corn SmartStax Seed 3 95% 0.40 bag 350.00 133.00		10-34-0	Fertilize	r	3	100%	6	gallons	1.90	11.40	
Corn		Bicep II Magnum	Herbici	de	3	40%	1.8	quarts	12.50	9.00	
*Regent 4 SC		Corn SmartStax	Seed		3	95%	0.40	bag	350.00	133.00	
*Regent 4 SC		Corn	Seed		3	5%	0.40	bag	175.00	3.50	
*Lorsban 15 G		*Regent 4 SC	Insectic	ide	3	20%	4.16	ounces	5.90	4.91	
*Brigade Insecticide 7 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 7 20% 2 ounces 2.00 0.80 Haul Grain bu Custom 11 100% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 12 100% 220 bushels 0.30 66.00 Total Materials and Services 32,000 seed per acre, 80,000 seeds per bag, 5% refuge \$323.91 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months \$17.94 Total Operating and Use-Related Ownership Costs \$535.56 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30		*Spray	Custom		7	30.5%	1	acre	6.00	1.83	
*Mustang Max		*Lorsban 15 G	Insectic	ide	7	0.5%	5	pounds	2.35	0.06	
Haul Grain bu Custom 11 100% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 12 100% 220 bushels 0.30 66.00 Total Materials and Services 32,000 seed per acre, 80,000 seeds per bag, 5% refuge \$323.91 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months \$17.94 Total Operating and Use-Related Ownership Costs \$535.56 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30		*Brigade	Insectic	ide	7	10%	5.12	ounces	1.20	0.61	
Dry 4 Points Removed Custom 12 100% 220 bushels 0.30 66.00		*Mustang Max	Insectic	ide	7	20%	2	ounces	2.00	0.80	
Total Materials and Services 32,000 seed per acre, 80,000 seeds per bag, 5% refuge *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% Real Estate Taxes \$31.09 Total Cost per Acre Including Overhead Cost per Bushel		Haul Grain bu	Custom		11	100%	220	bushels	0.13	28.60	
Total Materials and Services 32,000 seed per acre, 80,000 seeds per bag, 5% refuge *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% Real Estate Taxes \$31.09 Total Cost per Acre Including Overhead Cost per Bushel		Dry 4 Points Removed	Custom		12	100%	220	bushels	0.30	66.00	
*Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% Real Estate Taxes \$3,109 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$3.30		Total Materials and Service	es 32,000	seed per a	cre, 80,000 s	eeds per b	ag, 5% re	fuge	•		
Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30									n bean cutw	orm, respectivel	y.
Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30											
Interest on Operating Capital \$448.39 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30		Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$517.63	
Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Gravity (State) Say,109 per acre @ 4.00% Real Estate Taxes Say,109 per acre @ 1.00% Say,109 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel Say,309 Say,3							% for 6 m	onths			
Overhead (accounting, liability insurance, vehicle cost, office expense)5.00ScoutingCorn - Irrigated9.00Crop InsuranceCorn - Irrigated21.00Real Estate OpportunityGravity (State)\$3,109 per acre @ 4.00%\$124.36Real Estate Taxes\$3,109 per acre @ 1.00%\$31.09Total Cost per Acre Including Overhead\$726.01Cost per Bushel\$3.30											
Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Gravity (State) \$3,109 per acre @ 4.00% \$124.36 Real Estate Taxes \$3,109 per acre @ 1.00% \$31.09 Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30		Total Operating and one related ownership cons								ψυυυ.υυ	
Crop InsuranceCorn - Irrigated21.00Real Estate OpportunityGravity (State)\$3,109 per acre @ 4.00%\$124.36Real Estate Taxes\$3,109 per acre @ 1.00%\$31.09Total Cost per Acre Including OverheadCost per Bushel\$3.30		Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Crop InsuranceCorn - Irrigated21.00Real Estate OpportunityGravity (State)\$3,109 per acre @ 4.00%\$124.36Real Estate Taxes\$3,109 per acre @ 1.00%\$31.09Total Cost per Acre Including OverheadCost per Bushel\$3.30		Scouting	Corn - l	rrigated						9.00	
Real Estate OpportunityGravity (State)\$3,109 per acre @ 4.00%\$124.36Real Estate Taxes\$3,109 per acre @ 1.00%\$31.09Total Cost per Acre Including Overhead\$726.01Cost per Bushel\$3.30										21.00	
Real Estate Taxes\$3,109 per acre @ 1.00%\$31.09Total Cost per Acre Including Overhead\$726.01Cost per Bushel\$3.30					\$3,109 per	acre @ 4.0	00%				
Total Cost per Acre Including Overhead \$726.01 Cost per Bushel \$3.30			<u> </u>								
Cost per Bushel \$3.30			ng Overl	nead	. , I						

2010 Budget 15. Corn, No-Till, Bt ECB & RW, Continuous, 225 bu Yield Goal (210 bu Actual) Pivot 800 GPM 35 PSI, 9 Acre-inches

				- 104	Rep	airs	Own	ership		
	E' 11 O	Times	Labor @	Fuel @ \$2	D	т.	D.	т.	77.1	Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
\vdash	Spray	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	
	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
-	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
_	Spray	Custom								
\rightarrow	PivotD 125' Lift	9 AI	3.75	33.40	2.94	10.38	8.09	6.21	64.76	
	Combine Irr Corn	1	3.30	5.25	4.66	4.18	18.23	3.50	39.12	
-	Cart	210 bu	1.07	1.13	0.20	0.07	1.10	1.33	4.91	
-	Truck	Custom								
_	Dry Grain	Custom								
\sqcup	Total for Field Operations		\$12.87	\$42.66	\$8.56	\$19.82	\$34.47	\$16.60	\$134.97	
		l			Damasust	Appli	cation			
				Oparation	Percent	Аррп	cation	1001:01		Your
	Matariala and Camina			Operation	Acres	Data	17	Applied	Total	
	Materials and Services	Herbicio	1.	Index	Applied	Rate	Unit	Price	Total	Estimate
 	2,4-D Ester 4#			1	20%	1.5	pints	2.50	0.75	
1 F	82-0-0 P: H.M.	Fertilize		2	100%	225	lbs N	0.27	60.75	
-	Bicep II Magnum	Herbicio	ae	3	100%	2.1	quarts	12.50	26.25	
-	Corn Bt ECB & RW	Seed		4	80%	0.38	bag	250.00	75.00	
 	Corn	Seed	1	4	20%	0.38	bag	175.00	13.13	
 	*Regent 4 SC	Insectic		4	20%	4.16	ounces	5.90	4.91	
-	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40	
-	Spirit Community	Herbicio		5 5	25%	1	ounce	13.00	3.25	
 	Crop Oil Concentrate	Herbicio		6	25% 32%	2	pints	1.13	0.57 1.92	
-	*Spray *Lorsban 15 G	Custom		6	2%	5	acre	6.00 2.35	0.24	
-		Insectic					pounds		0.24	
-	*Brigade	Insectic		6	10%	5.12	ounces	1.20		
-	*Mustang Max Haul Grain bu	1		10	20% 100%	210	ounces bushels	2.00	0.80 27.30	
· -		Custom		11		210	bushels	0.13		
	Dry 4 Points Removed Total Materials and Service	Custom			100%			0.30	63.00 \$289.87	
	*Insecticides for rootworm (refuge							n hean cutw		7
	moccheides for footworm (lefugi	c _j , 13t D1000	i Luropean C	JIII DOIEI (10%)	or reruge), 8	Praci iiiies	, and wester	ii ocaii cutw		··
	Total listed costs for Field	Operation	ne and Ma	tarials and 6	Sarvicas				\$424.84	
						0/2 for 6 ==	onthe			
	Interest on Opera				15c @ 8.00	70 101 6 M	ionths		\$14.95	
	Total Operating and Use-Related Ownership Costs								\$439.79	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
[Scouting	Corn - I	rrigated						9.00	
	Crop Insurance	Corn - I							21.00	
	Real Estate Opportunity	Pivot (S		\$3,304 per	acre @ 4.0	00%			\$132.16	
	Real Estate Taxes	Ì		\$3,304 per			,		\$33.04	
	Total Cost per Acre Includ	ing Overl	nead						\$639.99	
	Cost per Bushel	0 3							3.05	
1 +	Cash Cost per Bushel								1.99	

2010 Budget 16. Corn, No-Till, SmartStax, Continuous, 240 bu Yield Goal (225 bu Actual) Pivot 800 GPM 35 PSI, 9 Acre-inches

Field Operations						Rep	airs	Own	ership		
Spray			Times		Fuel @ \$2						
2 Anhydrous Apply		Field Operations	or Qty	\$12/Hr	and Lube	Power		Power	Ітр.	Total	Estimate
Spray	1	Spray	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	
Plant	2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
Spray	3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Spray	4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
PivotD 125°Lift	5	Spray	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
State	6	Spray	Custom								
Cart	7	PivotD 125' Lift	9 AI	3.75	33.40	2.94	10.38	8.09	6.21	64.76	
Truck	8	Combine Irr Corn	1	3.30	5.25	4.66	4.18	18.23	3.50	39.12	
Total for Field Operations	9	Cart	225 bu	1.14	1.21	0.21	0.08	1.18	1.43	5.26	
Total for Field Operations	10	Truck	Custom								
Percent Application Acres Index Applied Rate Unit Price Total Estimate	11	Dry Grain	Custom								
Materials and Services		Total for Field Operations		\$12.94	\$42.74	\$8.57	\$19.83	\$34.55	\$16.69	\$135.32	
Materials and Services			<u> </u>			-	A 1°				
Materials and Services						i	Appli	cation 	, ,, ,		77
2,4-D Ester 4# Herbicide											
82-0-0 Fertilizer 2 100% 240 lbs N 0.27 64.80			1								Estimate
Bicep II Magnum											
Corn SmartStax Seed 4 95% 0.40 bag 350.00 133.00											
Corn Seed 4 5% 0.40 bag 175.00 3.50 *Regent 4 SC Insecticide 4 5% 4.16 ounces 5.90 1.23 10-34-0 Fertilizer 4 100% 6 gallons 1.90 11.40 Spirit Herbicide 5 25% 1 ounce 13.00 3.25 Crop Oil Concentrate Herbicide 5 25% 2 pints 1.13 0.57 *Spray Custom 6 30.5% 1 acre 6.00 1.83 *Lorsban 15 G Insecticide 6 0.5% 5 pounds 2.35 0.06 *Brigade Insecticide 6 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2 ounces 2.00 0.80 Haul Grain bu Custom 10 100% 225 bushels 0.13 29.25 Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$344.80 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services \$480.12 Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months \$17.16 Total Operating and Use-Related Ownership Costs \$497.27 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10			1	de				-			
*Regent 4 SC Insecticide 4 5% 4.16 ounces 5.90 1.23 10-34-0 Fertilizer 4 100% 6 gallons 1.90 11.40 Spirit Herbicide 5 25% 1 ounce 13.00 3.25 Crop Oil Concentrate Herbicide 5 25% 2 pints 1.13 0.57 *Spray Custom 6 30.5% 1 acre 6.00 1.83 *Lorsban 15 G Insecticide 6 0.5% 5 pounds 2.35 0.06 *Brigade Insecticide 6 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2 ounces 2.00 0.80 Haul Grain bu Custom 10 100% 225 bushels 0.13 29.25 Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$344.80 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services \$480.12 Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months \$17.16 Total Operating and Use-Related Ownership Costs \$497.27 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel			}								
10-34-0 Fertilizer					4		0.40	bag	175.00	3.50	
Spirit Herbicide 5 25% 1 ounce 13.00 3.25							4.16			1.23	
Crop Oil Concentrate					4	100%	6	gallons	1.90	11.40	
*Spray Custom 6 30.5% 1 acre 6.00 1.83 *Lorsban 15 G Insecticide 6 0.5% 5 pounds 2.35 0.06 *Brigade Insecticide 6 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2 ounces 2.00 0.80 Haul Grain bu Custom 10 100% 225 bushels 0.13 29.25 Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$344.80 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months \$17.16 Total Operating and Use-Related Ownership Costs \$4497.27 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10						25%	1	ounce	13.00	3.25	
*Lorsban 15 G		•	Herbicio	de	5	25%	2	pints	1.13	0.57	
*Brigade Insecticide 6 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2 ounces 2.00 0.80 Haul Grain bu Custom 10 100% 225 bushels 0.13 29.25 Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$344.80 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months \$17.16 Total Operating and Use-Related Ownership Costs \$4497.27 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10		1 /	Custom		6	30.5%	1	acre	6.00	1.83	
*Mustang Max		*Lorsban 15 G	Insectic	ide	6	0.5%	5	pounds	2.35	0.06	
Haul Grain bu Custom 10 100% 225 bushels 0.13 29.25 Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$344.80 *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months \$17.16 Total Operating and Use-Related Ownership Costs \$497.27 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10		*Brigade	Insectic	ide	6	10%	5.12	ounces	1.20	0.61	
Dry 4 Points Removed Custom 11 100% 225 bushels 0.30 67.50		*Mustang Max	Insectic	ide	6	20%	2	ounces	2.00	0.80	
Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 5% refuge *Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Pivot (State) Real Estate Taxes \$3,304 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Bushel Samuel Estate Taxes \$3,10		Haul Grain bu	Custom		10	100%	225	bushels	0.13	29.25	
*Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% Real Estate Taxes \$33.04 Total Cost per Acre Including Overhead Cost per Bushel *3.10		Dry 4 Points Removed	Custom		11	100%	225	bushels	0.30	67.50	
Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated Crop Insurance Corn - Irrigated Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% Real Estate Taxes \$3,304 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$3.10											
Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$3.10		*Insecticides for rootworm (refuge	e), 1st brood	l European co	orn borer (10%	of refuge), s	spider mites	, and wester	n bean cutw	orm, respectively	у.
Interest on Operating Capital \$428.88 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$3.10											
Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) Say 304 per acre 4.00% Real Estate Taxes \$3,304 per acre 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$497.27		Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$480.12	
Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) Say 304 per acre 4.00% Real Estate Taxes \$3,304 per acre 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$497.27		Interest on Opera	ating Cap	ital \$428.8	8 cash expen	se @ 8.00	% for 6 m	onths		\$17.16	
Overhead (accounting, liability insurance, vehicle cost, office expense)5.00ScoutingCorn - Irrigated9.00Crop InsuranceCorn - Irrigated21.00Real Estate OpportunityPivot (State)\$3,304 per acre @ 4.00%\$132.16Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$697.47Cost per Bushel\$3.10										\$497.27	
Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10		1									
Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16 Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04 Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10		Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Real Estate OpportunityPivot (State)\$3,304 per acre @ 4.00%\$132.16Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$697.47Cost per Bushel\$3.10		Scouting	Corn - I	rrigated						9.00	
Real Estate OpportunityPivot (State)\$3,304 per acre @ 4.00%\$132.16Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$697.47Cost per Bushel\$3.10										21.00	
Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$697.47Cost per Bushel\$3.10			†		\$3,304 per	acre @ 4.	00%				
Total Cost per Acre Including Overhead \$697.47 Cost per Bushel \$3.10											
Cost per Bushel \$3.10		Total Cost per Acre Includ	ing Overl	nead							
*											
1 1 2 00001 2 0000 1/21 1/10/11/21		Cash Cost per Bushel								\$2.12	

2010 Budget 17. Corn, Bt ECB & RW, Continuous, 215 bu Yield Goal (200 bu Actual) Pivot 800 GPM 35 PSI, 13 Acre-inches

			_		Rep	airs	Own	ership		
		Times	Labor @	Fuel @ \$2	_	_	_			Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
5	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
6	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
7	Row Crop Cultivation	0.25	0.50	0.25	0.06	0.20	1.27	0.20	2.48	
8	Spray	Custom								
9	PivotD 125' Lift	13 AI	5.42	48.24	4.25	14.99	11.68	8.96	93.54	
10	Combine Irr Corn	1	3.30	5.25	4.66	4.18	18.23	3.50	39.12	
11	Cart	200 bu	1.02	1.08	0.19	0.07	1.05	1.27	4.67	
12	Truck	Custom								
13	Dry Grain	Custom								
14		1	1.07	0.93	0.11	0.31	2.46	1.55	6.44	
	Total for Field Operations		\$19.61	\$61.83	\$10.40	\$27.36	\$50.74	\$23.80	\$193.75	
					D.	A = = 1.	antin:			
				0.	Percent	Арри	cation 	A 6 . 1 1		17
	M 1 10 .			Operation	Acres	D (77.,	Applied	T . 1	Your
	Materials and Services	E (11)		Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0 Balance Flexx	Fertilize		2	100%	215	lbs N	0.27	58.05	
		Herbicio Herbicio		4	100%	4	ounces	4.50	18.00	
	Bicep II Magnum 10-34-0	Fertilize		5	100% 100%	2.1	quarts	12.50	26.25	
	Corn Bt ECB & RW	Seed	T	5		6	gallons	1.90 250.00	11.40	
	Corn	Seed		5	80% 20%	0.37	bag bag	175.00	73.75 12.95	
	Regent 4 SC	Insectic	ido	5	20%	4.16	ounces	5.90	4.91	
	*Spray	Custom		8	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		8	2%	5	pounds	2.35	0.24	
	*Brigade	Insectic		8	10%	5.12	ounces	1.20	0.24	
	*Mustang Max	Insectic		8	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		12	100%	200	bushels	0.13	26.00	
	Dry 4 Points Removed	Custom		13	100%	200	bushels	0.13	60.00	
	Total Materials and Servic	<u> </u>						0.50	\$294.88	
	*Insecticides for rootworm (refug							n bean cutw		v.
		-,, 10: 01000	C	00101 (1070		- r	, and wester	Journ Cutw		, -
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$488.63	
	Interest on Opera					% for 6 m	onthe		\$16.56	
					0.00	/U 101 U II	10111118		φ10.30	
	Total Operating and Use-F	wnersnip (JUSIS							
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offic	ce expense	e)			5.00	
	Scouting	Corn -	Irrigated						9.00	
	Crop Insurance		Irrigated						21.00	
	Real Estate Opportunity	State)	\$3,304 per	acre @ 4.	.00%			\$132.16		
	Real Estate Taxes	/	\$3,304 per			\$33.04				
	Total Cost per Acre Includ	+- /- 0 - P ·					\$705.39			
	Cost per Bushel								\$3.53	
	Cash Cost per Bushel								\$2.30	
	Cush Cost per Dusher	ΨΔ.30								

2010 Budget 18. Corn, SmartStax, Continuous, 230 bu Yield Goal (215 bu Actual) Pivot 800 GPM 35 PSI, 13 Acre-inches

Times Labor @ or Qty \$12/Hr Fuel @ \$2 and Lube Power Imp. Power Imp. Total Estima
Field Operations Or Qty \$12/Hr and Lube Power Imp. Power Imp. Total Estimate
1 Disc 1 1.21 1.52 0.13 1.29 2.78 1.26 8.19 2 Anhydrous Apply 1 1.68 1.62 0.18 0.82 3.87 3.07 11.23 3 Field Cultivation 1 0.62 0.77 0.07 0.41 1.43 0.83 4.12 4 Spray 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 5 Plant 1 2.20 0.91 0.41 4.07 2.28 2.14 12.01 6 Row Crop Cultivation 1 2.00 1.02 0.23 0.81 5.06 0.79 9.91 7 Row Crop Cultivation 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.48 8 Spray Custom 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.48 8 Spray Custom 0.
Signature 1
Signature 1
4 Spray 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 5 Plant 1 2.20 0.91 0.41 4.07 2.28 2.14 12.01 6 Row Crop Cultivation 1 2.00 1.02 0.23 0.81 5.06 0.79 9.91 7 Row Crop Cultivation 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.48 8 Spray Custom
5 Plant 1 2.20 0.91 0.41 4.07 2.28 2.14 12.01 6 Row Crop Cultivation 1 2.00 1.02 0.23 0.81 5.06 0.79 9.91 7 Row Crop Cultivation 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.48 8 Spray Custom
7 Row Crop Cultivation 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.48 8 Spray Custom
8 Spray Custom 48.24 4.25 14.99 11.68 8.96 93.54 10 Combine Irr Corn 1 3.30 5.25 4.66 4.18 18.23 3.50 39.12 11 Cart 215 bu 1.09 1.16 0.20 0.07 1.13 1.37 5.02 12 Truck Custom
9 PivotD 125' Lift 13 AI 5.42 48.24 4.25 14.99 11.68 8.96 93.54 10 Combine Irr Corn 1 3.30 5.25 4.66 4.18 18.23 3.50 39.12 11 Cart 215 bu 1.09 1.16 0.20 0.07 1.13 1.37 5.02 12 Truck Custom
10 Combine Irr Corn 1 3.30 5.25 4.66 4.18 18.23 3.50 39.12 11 Cart 215 bu 1.09 1.16 0.20 0.07 1.13 1.37 5.02 12 Truck Custom
11 Cart 215 bu 1.09 1.16 0.20 0.07 1.13 1.37 5.02 12 Truck Custom
12 Truck Custom
13 Dry Grain Custom
14 Chop Stalks 1 1.07 0.93 0.11 0.31 2.46 1.55 6.44 Total for Field Operations \$19.69 \$61.92 \$10.42 \$27.37 \$50.82 \$23.90 \$194.10 Percent Application
Total for Field Operations
Percent Application
Materials and Services Index Applied Rate Unit Price Total Estima
82-0-0 Fertilizer 2 100% 230 lbs N 0.27 62.10
Balance Flexx
Bicep II Magnum
10-34-0 Fertilizer 5 100% 6 gallons 1.90 11.40
Corn SmartStax Seed 5 95% 0.38 bag 350.00 124.69
Corn Seed 5 5% 0.38 bag 175.00 3.28
Regent 4 SC Insecticide 5 5% 4.16 ounces 5.90 1.23
*Spray Custom 8 30.5% 1 acre 6.00 1.83
*Lorsban 15 G Insecticide 8 0.5% 5 pounds 2.35 0.06
*Brigade Insecticide 8 10% 5.12 ounces 1.20 0.61
*Mustang Max Insecticide 8 20% 2 ounces 2.00 0.80
Haul Grain bu Custom 12 100% 215 bushels 0.13 27.95
Dry 4 Points Removed Custom 13 100% 215 bushels 0.30 64.50
Total Materials and Services 30,000 seeds per acre, 80,000 seeds per bag, 5% refuge \$342.70
*Insecticide for rootworm (refuge), 1st brood European corn borer (10% of refuge), spider mites and western bean cutworm, respectively.
Total listed costs for Field Operations and Materials and Services \$536.80
Interest on Operating Capital \$462.09 cash expense @ 8.00% for 6 months \$18.48
Total Operating and Use-Related Ownership Costs \$555.29
Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00
Scouting Corn - Irrigated 9.00
Crop Insurance Corn - Irrigated 21.00
Real Estate Opportunity Pivot (State) \$3,304 per acre @ 4.00% \$132.16
Real Estate Taxes \$3,304 per acre @ 1.00% \$33.04
Total Cost per Acre Including Overhead \$755.49
Cost per Bushel \$3.51
Cash Cost per Bushel \$2.37

2010 Budget 19. Corn, No-Till, Bt ECB, after Beans, 235 bu Yield Goal (220 bu Actual) Pivot 800 GPM 35 PSI, 9 Acre-inches

		<i>T</i> :	T 1 0	F 10 02	Rep	airs	Own	ership		17
	F: 11 Oc	Times	Labor @	Fuel @ \$2	D	T6	D	T6	T-4-1	Your
1	Field Operations	or Qty	\$12/Hr	and Lube	Power	<i>Imp.</i> 0.82	Power 3.87	<i>Imp.</i>	Total	Estimate
1	Anhydrous Apply	1	1.68	1.62	0.18			3.07	11.23	
2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
4	Hoe	0.1	0.09	0.05	0.01	0.02	0.21	0.01	0.39	
5	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
6	Spray	Custom								
7	PivotD 125' Lift	9 AI	3.75	33.40	2.94	10.38	8.09	6.21	64.76	
8	Combine Irr Corn	1	3.30	5.25	4.66	4.18	18.23	3.50	39.12	
9	Cart	220 bu	1.12	1.18	0.21	0.07	1.16	1.40	5.14	
10	Truck	Custom								
11	Dry Grain	Custom								
	Total for Field Operations		\$13.29	\$43.12	\$8.63	\$20.88	\$35.02	\$16.69	\$137.63	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	1	100%	190	lbs N	0.27	51.30	2011111110
	Bicep II Magnum	Herbicio		2	100%	2.1	quarts	12.50	26.25	
	Gramoxone Inteon	Herbicio		2	100%	1.5	pints	4.75	7.13	
	NIS	Herbicio		2	100%	6	ounces	0.17	1.02	
	10-34-0	Fertilize		3	100%	6	gallons	1.90	11.40	
	Corn Bt ECB	Seed	1	3	80%	0.40	bag	225.00	72.00	
	Corn	Seed		3	20%	0.40	bag	175.00	14.00	
	Spirit	Herbicio	10	5	50%	1	ounce	13.00	6.50	
	Crop Oil Concentrate	Herbicio		5	50%	2	pints	1.13	1.13	
	*Spray	Custom	10	6	34%	1	acre	6.00	2.04	
	*Lorsban 15 G	Insectic	ide	6	2%	5	pounds	2.35	0.24	
	*Brigade	Insectic		6	2%	2.5	ounces	1.20	0.24	
	*Brigade	Insectic		6	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		6	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		10	100%	220	bushels	0.13	28.60	
	Dry 4 Points Removed	Custom		11	50%	220	bushels	0.13	33.00	
	Total Materials and Service							0.30	\$256.07	
	*Insecticide for 1st brood Europea							ectively	φΔ30.07	
	mocentiae for 1st brood Edropea	соти воге	.1 (10/0 01 161	age), spider IIII	ics and west			cetively.		
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$393.70	
	Interest on Opera	ting Cap	ital \$341.99	9 cash expen	se @ 8.00	% for 6 m	onths		\$13.68	
	Total Operating and Use-R								\$407.38	
	Orrent and (accounting 1: 1	.:1:4 !	1	ala aast - C		-)			E 00	
	Overhead (accounting, liab	<u> </u>		cie cost, om	ce expense	=) 			5.00	
	Scouting	rrigated				9.00				
	Crop Insurance	•	rrigated	#2.2° :					21.00	
	Real Estate Opportunity	tate)	\$3,304 per			\$132.16				
	Real Estate Taxes			\$3,304 per	acre @ 1.0	\$33.04				
	Total Cost per Acre Includi	ing Overl	nead						\$607.58	
	Cost per Bushel								\$2.76	
	Cash Cost per Bushel								\$1.75	

2010 Budget 20. Corn Silage, No-Till following Corn (25 ton) Pivot 800 GPM 35 PSI, 12 Acre-inches

		T:	I -1	F1 @ #2	Rep	airs	Own	ership		V
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Limite
	- '	Custom	0.00	0.21	0.11	0.21	0.02	0.23	2.03	
3	Spread manure	1	1 (0	1.62	0.10	0.92	2.07	2.07	11.23	
<u> </u>	Anhydrous Apply Plant No-Till	1	1.68 2.45	1.62	0.18	0.82	3.87	3.07		
5		0.1		1.26	0.46	5.10	2.54	2.14	13.94	
6	Hoe PivotD 125' Lift	12 AI	0.09 5.00	0.05 44.53	0.01 3.92	0.02 13.83	0.21	0.01 8.27	0.39 86.35	
7	Spray	Custom	3.00	44.33	3.92	13.03	10.79	0.27	80.55	
8	Chop Silage	Custom								
0	Total for Field Operations	<u> </u>	\$9.82	\$47.70	\$4.68	\$19.98	\$18.02	\$13.74	\$113.94	
	Total for Field Operations		\$9.02	Ψ47.70	ψ 4. 00	\$19.90	\$10.02	φ13./4	ψ113.9 4	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbicio		1	100%	1	pint	2.50	2.50	
	Uncomposted manure	Fertilize	r	2	100%	20	tons	6.00	120.00	
	Haul & Apply Manure	Custom		2	100%	20	tons	2.00	40.00	
	82-0-0	Fertilize		3	100%	220	lbs N	0.27	59.40	
	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40	
	Bicep II Magnum	Herbicio	de	4	100%	1.4	quarts	12.50	17.50	
	Corn	Seed		4	100%	0.42	bag	175.00	73.28	
	*Regent 4 SC	Insectic		4	100%	4.16	ounces	5.90	24.54	
	*Aerial Spray	Custom		7	100%	1	acre	7.50	7.50	
	*Brigade	Insectic		7	10%	2.5	ounces	1.20	0.30	
	*Brigade	Insectic		7	10%	2.5	ounces	1.20	0.30	
	*Mustang Max	Insectic		7	5%	2	ounces	2.00	0.20	
	Chop, Haul, Pack	Custom		8	100%	25	tons	6.00	150.00	
	Total Materials and Servic								\$506.93	
	*Insecticide for rootworm, 1st & 2	2nd brood E	European cori	n borer western	bean cutwo	rm, respect	vely.			
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$620.86	
	Interest on Opera	ating Cap	ital \$589.1	l cash expen	se @ 8.00	% for 6 n	onths		\$23.56	
	Total Operating and Use-F	Related O	wnership (Costs					\$644.43	
	Overhead (accounting, liab	rance, vehi	cle cost, offi	ce expense	e)			5.00		
	Scouting	rrigated						9.00		
	Crop Insurance		rrigated						21.00	
	Real Estate Opportunity	Pivot (S		\$3,304 per	acre @ 4.	00%			\$132.16	
	Real Estate Taxes	/	\$3,304 per					\$33.04		
	Total Cost per Acre Includ	ing Overl	nead						\$844.63	
	Cost per Ton	0 7011							\$33.79	
	Cash Cost per Ton								\$25.71	

2010 Budget 21. Dry Beans, Conventional with Wheat Cover Crop (20 cwt) Pivot 800 GPM 35 PSI, 8 Acre-inches

		<i>T</i> :	T 1 0	F 10 42	Rep	airs	Owne	ership		77
	Field Operations	Times	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Land	Power	Land	Total	Your Estimate
1	Field Cultivation	or Qty	0.62	0.77	0.07	<i>Imp.</i> 0.41	1.43	<i>Imp.</i> 0.83	4.12	Estimate
2	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
3	Spray (on disc)	1	0.20	0.00	0.02	0.10	0.46	0.63	1.41	
4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	Hoe	1	0.90	0.50	0.10	0.17	2.07	0.13	3.86	
6	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
7	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
8	Weed	Labor		4 6 6 9	2.12	0.00				
9	PivotE 125' Lift	8 AI	3.33	16.63	3.13	9.22	2.10	5.52	39.92	
10	1 /	Custom	1.00	1.72	0.25	0.40	1.05	2.60	0.00	
11	Pickett Windrowers	1	1.88	1.73	0.35	0.48	1.95	3.60	9.98	
12	Combine Irr Dry Beans	1	2.78	3.37	3.93	0.15	15.36	2.91	28.49	
13	Truck	Custom	2.20	0.01	0.41	4.07	2.20	2.14	12.01	
14		1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
	Total for Field Operations		\$19.32	\$29.13	\$9.19	\$21.89	\$38.04	\$21.03	\$138.60	
					Percent	Appli	cation			
				Operation	Acres	119977		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0-1Z	Fertilize	r	3	100%	9	gallons	2.15	19.35	Lowine
	Dual II Magnum	Herbicio		3	100%	1.33	pints	16.25	21.61	
	Edible Beans	Seed		4	100%	0.5	acre	51.00	25.50	
	Weeding/Thinning	Other		8	100%	1	acre	36.00	36.00	
	Elec Connect Fees	Other		9	100%	1	acre	3.25	3.25	
	*Aerial Spray	Custom		10	60%	1	acre	7.50	4.50	
	*Warrior II/Zeon	Insectic	ide	10	60%	1.92	ounces	4.00	4.61	
	Haul Grain (Dry Beans)	Custom		13	100%	20	cwts	0.20	4.00	
	Wheat	Seed		14	100%	30	pounds	0.13	3.90	
	Total Materials and Service	es Electri	c connect	fee 6 months	s @ \$72/m	ю 133 аст	es		\$122.72	
	*Insecticide for Mexican bean bee	tle and west	ern bean cutv	worm (10%).						
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$261.33	
	Interest on Opera	ating Cap	ital \$202.2	5 cash expen	se @ 8.00	% for 6 m	onths		\$8.09	
	Total Operating and Use-Related Ownership Costs								\$269.42	
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting	Drybear	ıs						6.00	
	Crop Insurance	Drybear	ıs						21.00	
	Real Estate Opportunity	Pivot (Pa	anhandle)	\$1,535 per	acre @ 4.0	00%			\$61.40	
	Real Estate Taxes			\$1,535 per	acre @ 1.0	00%			\$15.35	
	Total Cost per Acre Includ	ing Overl	nead						\$378.17	
	Cost per cwt								\$18.91	
	Cash Cost per cwt								\$11.87	

2010 Budget 22. Grain Sorghum, Conventional, 100 bu Yield Goal (90 bu Actual) Rainfed

		T:		F 10 02	Rep	airs	Own	ership		17
	Field Operations	Times	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Disc	or Qty	1.21	1.52	0.13	1.29	2.78	1.26	8.19	Estimate
		ļ —								
2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
6	Row Crop Cultivation	0.25	0.50	0.25	0.06	0.20	1.27	0.20	2.48	
7	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
8	Spray	Custom								
9	Combine Rainfed SG	1	1.89	3.00	2.67	0.83	10.42	2.52	21.32	
10	Cart	90 bu	0.46	0.48	0.09	0.03	0.47	0.57	2.10	
11	Truck	Custom								
	Total for Field Operations		\$11.15	\$9.82	\$3.94	\$8.68	\$28.20	\$11.61	\$73.39	
		T			D	A 5 5 1 :	cation			
				05 (*	Percent	Арри	cation	1 - 1 - 1		V.
	16			Operation	Acres	D.	77.	Applied	T . 1	Your
	Materials and Services	D (11)		Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize		2	100%	100	lbs N	0.27	27.00	
	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40	
	Lumax	Herbicio	de	4	100%	2.5	quarts	17.50	43.75	
	Sorghum Safened/Insect	Seed	1	4	100%	4	pounds	2.00	8.00	
	Peak	Herbici		7	100%	0.75	ounce	14.50	10.88	
	Crop Oil Concentrate	Herbici		7	100%	2	pints	1.13	2.26	
	*Aerial Spray	Custom		8	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		8	15%	1.5	pints	5.25	1.18	
	Haul Grain bu	Custom		11	100%	90	bushels	0.13	11.70	
	Total Materials and Service			cre, 80,000	seeds per l	oag, 20%	refuge		\$117.29	
	*Treating greenbugs one year in 1	0, chinchbu	gs one in 15.							
	Total listed costs for Field	Onoratio	ns and Ma	torials and 6	Convices				\$190.69	
						0/4 for 6				
	Interest on Opera				ise @ 8.00'	70 IOF 6 M	IOHUIS		\$6.04	
	Total Operating and Use-I	Kelated O	wnership (Costs					\$196.72	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Grain S							6.00	
	Crop Insurance	Grain S	orghum						21.00	
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.	00%			\$57.64		
	Real Estate Taxes			\$1,441 per	acre @ 1.0	\$14.41				
	Total Cost per Acre Includ	ing Overl	nead						\$300.77	
	Cost per Bushel								\$3.34	
	Cash Cost per Bushel								\$2.04	

2010 Budget 23. Grain Sorghum, No-Till, 120 bu Yield Goal (110 bu Actual) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Owne	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	25000000
2	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
3	Plant No-Till	1	2.45	1.26	0.10	5.10	2.54	2.14	13.94	
4	Spray	Custom	2.43	1.20	0.40	3.10	2.34	2.14	13.94	
5	Combine Rainfed SG	1	1.89	3.00	2.67	0.83	10.42	2.52	21.32	
6	Cart	110 bu	0.56	0.59	0.10	0.04	0.58	0.70	2.57	
7	Truck	Custom	0.50	0.57	0.10	0.01	0.50	0.70	2.37	
<u> </u>	Total for Field Operations	-	\$6.47	\$5.34	\$3.45	\$6.47	\$16.41	\$6.86	\$45.00	
	100m21011101m 0 p 01m020110		Ψ0.17	Ψ0101	Ψ0110	ψ0.17	Ψ10/11	Ψ0.00	\$ 10,00	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	de	1	100%	32	ounces	0.16	5.00	
	28-0-0	Fertilize		2	100%	120	lbs N	0.32	38.40	
	Lumax	Herbicio		3	100%	2.5	quarts	17.50	43.75	
	10-34-0	Fertilize	r	3	100%	6	gallons	1.90	11.40	
	Sorghum Safened/Insect	Seed		3	100%	4	pounds	2.00	8.00	
	*Aerial Spray	Custom		4	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		4	15%	1.5	pints	5.25	1.18	
	Haul Grain bu	Custom		7	100%	110	bushels	0.13	14.30	
	Total Materials and Service								\$168.16	
	*Treating greenbugs one year in 10), chinchbu	gs one in 15.							
	Total listed costs for Field								\$123.16	
	Interest on Opera	ting Cap	ital \$144.88	8 cash expen	se @ 8.00	% for 6 m	onths		\$5.80	
	Total Operating and Use-R	Related O	wnership (Costs					\$173.95	
	Overhead (accounting, liab			cle cost, offic	ce expense	e)			5.00	
	Scouting	orghum						21.00		
	Crop Insurance	Rainfed	T					11.00		
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per					\$57.64	
	Real Estate Taxes		\$1,441 per	acre @ 1.0		\$14.41				
	Total Cost per Acre Includi	nead						\$278.00		
	Cost per Bushel								\$2.53	
	Cash Cost per Bushel								\$1.62	

2010 Budget 24. Grain Sorghum, Ecofallow, after Wheat, 2 Crops in 3 Years, 110 bu Yield Goal (100 bu Actual) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Estimate
		-								
2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
5	Spray	Custom								
6	Combine Irr SG	1	1.80	2.86	2.55	0.75	9.95	2.52	20.43	
7	Cart	100 bu	0.51	0.54	0.10	0.03	0.53	0.64	2.34	
8	Truck	Custom								
	Total for Field Operations		\$6.04	\$5.90	\$3.18	\$4.51	\$16.78	\$6.03	\$42.43	
		1				A = . 1*	4:			
					Percent	Appli	cation I	4 10 1		77
	16 . 1 10 .			Operation	Acres	ъ.	77.	Applied	7T . 1	Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.53	1.06	
	AAtrex 4L	Herbici		2 2	100%	1	quart	6.00	6.00	
	Gramoxone Inteon	+	Herbicide		100%	1.5	pints	4.75	7.13	
	28-0-0	Fertilize		3	100%	110	lbs N	0.32	35.20	
	Lumax	Herbici		3	100%	2.5	quarts	17.50	43.75	
	10-34-0	Fertilize	r	4	100%	6	gallons	1.90	11.40	
	Sorghum Safened/Insect	Seed		4	100%	4	pounds	2.00	8.00	
	*Aerial Spray	Custom		5	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic	ide	5	15%	1.5	pints	5.25	1.18	
	Haul Grain bu	Custom		8	100%	100	bushels	0.13	13.00	
	Total Materials and Servic								\$132.84	
	*Treating greenbugs one year in 1	0, chinchbu	gs one in 15.							
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$175.28	
	Interest on Opera	ating Cap	ital \$152.4	7 cash expen	se @ 8.00	% for 6 m	nonths		\$6.10	
	Total Operating and Use-I								\$181.37	
	2000 0 7 0 0 0 0 0		r						4-2-11	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	orghum						6.00		
	Crop Insurance	orghum						21.00		
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.0	00%			\$57.64		
	Real Estate Taxes			\$1,441 per	acre @ 1.0	\$14.41				
	Total Cost per Acre Includ	ing Overl	nead						\$285.42	
	Cost per Bushel								\$2.85	
	Cash Cost per Bushel			,			,		\$1.86	

2010 Budget 25. Grain Sorghum, No-Till, Limited Irrigation, 160 bu Yield Goal (145 bu Actual) Pivot 800 GPM 35 PSI, 6 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Limmic
2	Anhydrous Apply	1	1.68	1.62	0.18	0.82	3.87	3.07	11.23	
3	Spray	1	0.60	0.24	0.18	0.82	0.62	0.25	2.03	
4	Plant	1	2.20	0.24	0.11	4.07	2.28	2.14	12.01	
5	Spray	Custom	2.20	0.71	0.41	1.07	2,20	2,14	12.01	
6	PivotD 125' Lift	6 AI	2.50	22.27	1.96	6.92	5.39	4.14	43.17	
7	Combine Irr SG	1	1.80	2.86	2.55	0.75	9.95	2.52	20.43	
8	Cart	145 bu	0.74	0.78	0.14	0.05	0.76	0.92	3.39	
9	Truck	Custom	***	311.5	3,12					
	Total for Field Operations		\$10.12	\$28.92	\$5.46	\$13.02	\$23.49	\$13.27	\$94.29	
		T			-	4 1.				
					Percent	Арри	cation	. 1. 1		**
	10			Operation	Acres	ъ.	***	Applied	m . 1	Your
	Materials and Services	77 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.53	1.06	
	82-0-0	Fertilize		2	100%	160	lbs N	0.27	43.20	
	Lumax	Herbicio		3	100%	2.5	quarts	17.50	43.75	
	10-34-0	Fertilize	r	4	100%	6	gallons	1.90	11.40	
	Sorghum Safened/Insect	Seed		4	100%	4	pounds	2.00	8.00	
	*Aerial Spray	Custom		5	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		5	15%	1.5	pints	5.25	1.18	
	Haul Grain bu	Custom		9	100%	145	bushels	0.13	18.85	
	Total Materials and Servic								\$133.57	
	*Treating greenbugs one year in 1	0, chinchbuş	gs one in 15.	,			,			
	Total listed costs for Field	Omanatia	no and Ma	tomials and 6	Campiana				\$227.86	
						0/ 6 6	41		\$7.64	
	Interest on Opera				ise @ 8.00	% ior 6 n	ionths		\$235.50	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Grain So	orghum						6.00	
	Crop Insurance	orghum				21.00				
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.		\$132.16			
	Real Estate Taxes			\$3,304 per	acre @ 1.0		\$33.04			
	Total Cost per Acre Including Overhead									
	Cost per Bushel									
	Cash Cost per Bushel								\$2.98 \$1.56	

2010 Budget 26. Grass, Fall Establishment Pivot 800 GMP 35 PSI, 2 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Owne	ership		V
	Fig.11 Openstions				D	T	D	T	T-4-1	Your
1	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
3	Roll	1	1.33	1.21	0.28	0.00	1.52	0.00	4.34	
4	Grass Drill	1	2.69	1.75	0.50	0.16	2.79	2.56	10.45	
5	PivotD 125' Lift	2 AI	0.83	7.42	0.65	2.31	1.80	1.38	14.39	
6	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
	Total for Field Operations		\$7.63	\$13.28	\$1.82	\$4.17	\$11.39	\$6.02	\$44.32	
		ı								ı .
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Grass Seed	Seed		4	100%	20	pounds	2.80	56.00	
	Grass Drill	Rental		4	100%	1	acre	8.00	8.00	
	11-52-0	Fertilize	r	6	100%	60	pounds	0.22	13.20	
	Total Materials and Service	es							\$77.20	
										r
	Total listed costs for Field								\$121.52	
	Interest on Opera				se @ 8.00	% for 6 m	onths		\$4.16	
	Total Operating and Use-R	elated O	wnership (Costs					\$125.68	
	Overhead (accounting, liab	ollity insu	rance, vehi	cle cost, offic	ce expense	e)			5.00	
	Scouting		_					0.00		
	Crop Insurance							0.00		
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.	00%	\$132.16			
	Real Estate Taxes			\$3,304 per	acre @ 1.0	00%			\$33.04	
	Total Cost per Acre Includi	ing Overl	nead						\$295.88	

2010 Budget 27. Grass Hay, Large Round Bale (2.2 ton) Rainfed

	T.	110	F 10 #2	Rep	airs	Owne	ership		17
Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1 Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	Estimate
-									
2 Swath/Cond Hay 3 Lg Rd Bale	1 2 2 4	1.49	1.24	2.14	0.00	1.55	0.00	6.42	
- 1 -0 - 1	2.2 ton	2.18	0.95 1.44	0.41	0.00	2.26	2.52 0.97	10.47 7.74	
4 Move Lg Rd Total for Field Operations	2.2 ton	\$7.01	\$4.25	\$3.19	\$2.15	\$7.37	\$3.49	\$27.46	
Iotal for Field Operations		\$7.01	\$4.25	\$5.19	\$2.15	\$7.37	\$3.49	\$27.40	
				Percent	Appli	cation			
			Operation	Acres	•		Applied		Your
Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
46-0-0	Fertilize	r	1	100%	40	lbs N	0.43	17.20	
11-52-0	Fertilize	r	1	100%	15	pounds	0.22	3.30	
Twine Lg Rd	Other		3	100%	2.7	bales	0.70	1.89	
Total Materials and Servic	es							\$22.39	
		126						***	
Total listed costs for Field					. 2 .			\$49.85	
Interest on Opera				se @ 8.009	6 for 6 m	onths		\$1.56	
Total Operating and Use-F	Related O	wnership (Costs					\$51.41	
0 1 1/ (1:1	*1*4 *	1 .	1 , CC		`			5.00	
Overhead (accounting, liab	ollity insu	rance, veni	cie cost, om	ce expense	e)			5.00	
Scouting	None							0.00	
Crop Insurance	None							0.00	
Real Estate Opportunity	Rainfed	(State)	\$1,441 per	acre @ 4.	00%			\$57.64	
Real Estate Taxes			\$1,441 per	acre @ 1.	00%			\$14.41	
Total Cost per Acre Includ	ing Overl	nead			·			\$128.46	
Cost per Ton								\$58.39	
Cash Cost per Ton								\$18.43	

2010 Budget 28. Oats, No-Till, 90 bu Yield Goal (80 bu Actual) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Owne	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	Lonnin
2	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
3	Spray	1	0.60	0.24	0.20	0.21	0.62	0.25	2.03	
4	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
5	Truck	Custom	1.07	2.55	2.07	0.7 1	10.12	2.23	20.50	
6	Large Round Bale	1.5 ton	1.49	0.65	0.28	1.47	1.54	1.72	7.14	
7	Move Large Bale	1.5 ton	1.62	0.98	0.17	0.00	3.73	0.66	7.16	
_	Total for Field Operations		\$8.50	\$6.88	\$3.54	\$5.80	\$23.00	\$8.27	\$56.00	
					,					
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	r	1	100%	100	lbs N	0.32	32.00	
	Oats	Seed		2	100%	2	bushels	8.00	16.00	
	10-34-0	Fertilize	r	2	100%	6	gallons	1.90	11.40	
	Aim EW	Herbicio	de	3	100%	0.5	ounce	7.20	3.60	
	2,4-D Ester 4#	Herbicio	de	3	100%	0.5	pint	2.50	1.25	
	NIS	Herbicio	de	3	100%	6	ounces	0.17	1.02	
	Haul Grain bu	Custom		5	100%	80	bushels	0.13	10.40	
	Twine Lg Rd	Other		6	100%	2	bales	0.70	1.40	
	Total Materials and Service	es							\$77.07	
	*Insecticides for 1st & 2nd brood l	European co	orn borer (10	% of refuge), sp	oider mites, a	ınd western	bean cutwo	rm, respecti	vely.	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$133.07	
	Interest on Opera	ting Cap	ital \$101.79	9 cash expen	se @ 8.00	% for 6 m	onths		\$4.07	
	Total Operating and Use-R	elated O	wnership (Costs					\$137.14	
	Total Operating and Ose Related Ownership Costs									
	Overhead (accounting, liab	ility insu	rance, vehi	ce expense	e)			5.00		
	Scouting	None							0.00	
	Crop Insurance							0.00		
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.0	00%			\$57.64		
	Real Estate Taxes	\$1,441 per	acre @ 1.0	00%			\$14.41			
Total Cost per Acre Including Overhead									\$214.19	
	Cost per Bushel								\$2.68	
	Cash Cost per Bushel								\$1.32	

2010 Budget 29. Pasture, Grazing (11 AUM) Pivot 800 GPM 35 PSI, 18 Acre-inches

		Times	Lahor @	F 1@ #2	Rep	airs	Own	ership		V
	Field Operations	or Qty	\$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	PivotD 125' Lift	18 AI	7.50	66.80	5.88	20.75	16.18	12.41	129.52	Estimate
1			, , , ,							
	Total for Field Operations		\$7.50	\$66.80	\$5.88	\$20.75	\$16.18	\$12.41	\$129.52	
					Percent	Appli	cation			Γ
				Operation	Acres	110011		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	er	1	100%	220	lbs N	0.32	70.40	
	Fence/Water Repairs	Other			100%	1	acre	2.00	2.00	
	Fence/Water Repairs	Other			100%	1	acre	2.00	2.00	
	Move Cattle	Other			100%	1	hour	12.00	12.00	
	Total Materials and Servic	es							\$86.40	
										T
	Total listed costs for Field								\$215.92	
	Interest on Opera				nse @ 8.00	% for 6 r	nonths		\$7.49	
	Total Operating and Use-F	Related O	wnership (Costs					\$223.41	
	01/1/	.:1:4 :		-1 + - CC		-)			F 00	Γ
	Overhead (accounting, liab	omity insu	rance, veni	cie cost, om	ce expense	e) 			5.00	
	Scouting	None							0.00	
	Crop Insurance	None							0.00	
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.0	00%			\$132.16	
	Real Estate Taxes			\$3,304 per	acre @ 1.0	00%			\$33.04	
	Total Cost per Acre Includ	ing Overl	nead	·					\$393.61	
	Cost per AUM								\$35.78	
	Cash Cost per AUM								\$17.71	

2010 Budget 30. Millet, Stubble Mulch Fallow, fb Wheat, 2 Crops in 3 Years, 22 cwt Yield Goal (20 cwt Actual) Rainfed

	Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	
Rod Weeder	1	0.91	0.81	0.11	0.30	2.30	1.31	5.74	
Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Windrow Grain	1	1.26	0.69	1.81	0.00	1.32	0.00	5.08	
Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
Truck	Custom								
Total for Field Operation	s	\$8.66	\$7.39	\$5.32	\$3.75	\$20.83	\$8.41	\$54.35	
Ī	<u> </u>			D (Appli	cation			l
			0	Percent	Арри	cation I	A 1° 1		17
M . 1 10 .			Operation	Acres	Д. (77.	Applied	T . 1	Your
Materials and Services	E 4'1'		Index	Applied	Rate	Unit	Price	Total	Estimate
21-0-0-26S	Fertilize		1	100%	2	lbs N	0.53	1.06	
28-0-0	Fertilize	er	4	100%	45	lbs N	0.32	14.40	
Millet	Seed	1	5	100%	12	pounds	0.60	7.20	
2,4-D Amine	Herbici		6	100%	0.75	pint	2.00	1.50	
Dicamba	Herbicio		6	100%	0.5	ounce	0.44	0.22	
Haul Grain (Millet)	Custom		9	100%	22	cwts	0.20	4.40	
Total Materials and Servi	ces 150,000) seeding r	ate					\$33.78	
Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$88.13	
Interest on Ope					for 6 mg	onths		\$2.36	
Total Operating and Use-					7 101 0 111			\$90.48	
Total Operating and Osc-	- Aciated O	whership						ψ,,το	
Overhead (accounting, liability insurance, vehicle cost, office expense)									
Scouting	None							0.00	
Crop Insurance	None							0.00	
Real Estate Opportunity	Rainfed	(State)	\$1,441 per	acre @ 4.	00%			57.64	
Real Estate Taxes			\$1,441 per	acre @ 1.0	00%			\$14.41	
Total Cost per Acre Inclu	ding Overl	nead						\$167.53	
Cost per cwt								\$7.62	
Cash Cost per cwt									

2010 Budget 31. Sorghum-Sudan, Annually Planted, Large Round Bales (3.3 tons) Rainfed

		T.		F 10 02	Rep	airs	Own	ership		17
	F: 11 O	Times	Labor @	Fuel @ \$2	D	τ.	D.	7 .	77 1	Your
-	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
5	Swath/Cond Hay	1	1.49	1.24	2.14	0.00	1.55	0.00	6.42	
6	Large Round Bale	3.3 ton	3.27	1.43	0.61	3.23	3.39	3.78	15.71	
7	Move Large Round	3.3 ton	3.60	2.17	0.67	0.00	3.73	1.45	11.61	
	Total for Field Operations		\$12.97	\$8.73	\$4.06	\$7.02	\$17.00	\$10.01	\$59.80	
		1		ı				ı		
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	r	2	100%	40	lbs N	0.32	12.80	
	Sorghum Sudan	Seed		4	100%	10	pounds	0.70	7.00	
	Twine Lg Rd	Other		6	100%	4.4	bales	0.70	3.08	
	Total Materials and Service	es							\$22.88	
	Total listed costs for Field								\$82.68	
	Interest on Opera	ting Capi	ital \$55.67	cash expens	e @ 8.00%	for 6 mo	onths		\$2.23	
	Total Operating and Use-R	Related O	wnership (Costs					\$84.90	
	_		_							
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	None							0.00	
	Crop Insurance							0.00		
	Real Estate Opportunity	(State)	\$1,441 per	acre @ 4.0		\$57.64				
	Real Estate Taxes		\$1,441 per	acre @ 1.0	00%			\$14.41		
	Total Cost per Acre Includ	nead						\$161.95		
	Cost per Ton								\$49.08	
	Cash Cost per Ton						\$17.54			

2010 Budget 32. Soybeans, Tilled Seedbed, Roundup Ready® (38 bu) Rainfed

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	
2	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
6	Spray	Custom								
7	Combine Rainfed SB	1	2.34	3.72	3.31	1.37	12.93	2.52	26.19	
8	Truck	Custom								
	Total for Field Operations		\$7.57	\$7.40	\$4.14	\$7.56	\$20.67	\$7.23	\$54.57	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Authority First	Herbicio	de	3	100%	3.5	ounces	4.40	15.40	
	Prowl H ₂ O	Herbicio		3	100%	1.4	pints	5.25	7.35	
	RR Soybeans	Seed		4	100%	1	bag	43.00	43.00	
	Glyphosate w/Surf	Herbicio	de	5	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	5	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		6	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectici	ide	6	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		8	100%	38	bushels	0.13	4.94	
	Total Materials and Service	es							\$80.81	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$135.38	
	Interest on Opera					00% for (5 months		\$4.30	
	Total Operating and Use-R				<u> </u>	00 /0 101 (\$139.68	
	Total Operating and Ose-N	ciated O	wiicisiiip						Ψ137.00	
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Soybean	ıs - Rainfed	i					6.00	
	Crop Insurance	Soybean	ıs - Rainfed	1					11.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per acre @ 4.00%					\$57.64	
	Real Estate Taxes		\$1,441 per acre @ 1.00%					\$14.41		
	Total Cost per Acre Includi	ing Overl	nead						\$233.73	
	Cost per Bushel				,				\$6.15	
	Cash Cost per Bushel								\$3.39	

2010 Budget 33. Soybeans, No-Till, Roundup Ready after Corn (42 bu) Rainfed

		T.	110	F 10 #2	Rep	airs	Own	ership		W.
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Estimate
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	Custom								
5	Combine Rainfed SB	1	2.34	3.72	3.31	1.37	12.93	2.52	26.19	
6	Truck	Custom								
	Total for Field Operations		\$5.99	\$5.46	\$3.99	\$6.89	\$16.71	\$5.15	\$44.19	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Pursuit Plus	Herbicio	de	1	100%	1.67	pints	7.88	13.15	
	RR Soybeans	Seed		2	100%	1	bag	43.00	43.00	
	Glyphosate w/Surf	Herbicio	de	3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	3	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		4	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic	ide	4	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		6	100%	42	bushels	0.13	5.46	
	Total Materials and Service	es							\$71.73	
									•	Ĭ
	Total listed costs for Field								\$115.92	
	Interest on Opera				se @ 8.00%	% for 6 m	onths		\$3.76	
	Total Operating and Use-F	Related O	wnership (Costs					\$119.69	
	Overhead (accounting liah	vility insu	rance vehi	cle cost offi	ce expense	<i>a)</i>			5.00	<u> </u>
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting	ıs - Rainfed						6.00		
	Crop Insurance	ıs - Rainfed						11.00		
	Real Estate Opportunity	(State)	\$1,441 per acre @ 4.00%					\$57.64		
	Real Estate Taxes			\$1,441 per acre @ 1.00%					\$14.41	
	Total Cost per Acre Includ	ing Overl	nead						\$213.74	
	Cost per Bushel								\$5.09	
Cash Cost per Bushel									\$2.73	

2010 Budget 34. Soybeans, No-Till, Roundup Ready Continuous (42 bu) Rainfed

			- 1 -	- 101	Rep	airs	Own	ership		
	E: 110.	Times	Labor @	Fuel @ \$2	D	.	D	т.	77 1	Your
1	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	Custom								
5	Combine Rainfed SB	1	2.34	3.72	3.31	1.37	12.93	2.52	26.19	
6	Truck	Custom								
	Total for Field Operations		\$5.99	\$5.46	\$3.99	\$6.89	\$16.71	\$5.15	\$44.19	
	T	T		T	· · · · · ·			I		
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Pursuit Plus	Herbicio	de	1	100%	1.67	pints	7.88	13.15	
	RR Soybeans	Seed		2	100%	1	bag	43.00	43.00	
	Glyphosate w/Surf	Herbicio		3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	3	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		4	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic	ide	4	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		6	100%	38	bushels	0.13	4.94	
	Total Materials and Service	es							\$71.21	
	Total listed costs for Field								\$115.40	
	Interest on Opera				e @ 8.00%	for 6 m	onths		\$3.74	
	Total Operating and Use-I	Related O	wnership (Costs					\$119.15	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Soybear	ıs - Rainfeo	1					6.00	
	Crop Insurance	Soybean	ıs - Rainfeo	1					11.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per	acre @ 4.	00%			\$57.64	
	Real Estate Taxes			\$1,441 per	acre @ 1.0	00%			\$14.41	
	Total Cost per Acre Includ	ing Overl	nead						\$213.20	
	Cost per Bushel								\$5.61	
	Cash Cost per Bushel								\$3.01	

2010 Budget 35. Soybeans, Tilled Seedbed, Roundup Ready after Corn (60 bu) Pivot 800 GPM 35 PSI, 9 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	Estimate
2	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Plant	1	2.20	0.91	0.41	4.07	2.28	2.14	12.01	
5	PivotD 125'Lift	9 AI	3.75	33.40	2.94	10.38	8.09	6.21	64.76	İ
6	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
7	Spray	Custom								
8	Combine Irr SB	1	2.20	3.50	3.11	1.18	12.16	2.52	24.67	
9	Truck	Custom								
	Total for Field Operations		\$11.18	\$40.58	\$6.88	\$17.76	\$27.98	\$13.43	\$117.81	
		I			D .	1001:	agtion			l
				0	Percent	Appli	Cation 	A 1° 1		17
	10			Operation	Acres	ъ.	***	Applied	m . 1	Your
	Materials and Services	** 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
	Authority First	Herbicio		3	100%	3.5	ounces	4.40	15.40	
	Prowl H ₂ O	Herbicio	de	3	100%	1.5	pints	5.25	7.88	
	RR Soybeans	Seed		4	100%	1.1	bags	43.00	47.30	
	Glyphosate w/Surf	Herbicio		6	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		6	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		7	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic		7	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		9	100%	60	bushels	0.13	7.80	
	Total Materials and Servic	es							\$88.50	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$206.31	l
	Interest on Opera					0% for 6 m	onthe		\$6.60	
					3c @ 0.00	70 101 0 II	10111118		\$212.90	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Soybear	ıs - Irrigate	ed					\$8.75	
	Crop Insurance		ıs - Irrigate						\$21.00	
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.	00%			\$132.16	
	Real Estate Taxes	ì	,	\$3,304 per acre @ 1.00%					\$33.04	
	Total Cost per Acre Includ	ing Overl	nead						\$412.85	
	Cost per Bushel								\$6.88	
	Cash Cost per Bushel								\$3.35	

2010 Budget 36. Soybeans, Ridge-Till, RR after RR Corn (60 bu) Gravity 1,000 GPM 10 PSI, 12 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	<u> </u>
2	Ridge Plant	1	2.46	1.27	0.26	5.15	5.66	2.19	16.99	
3	Ridge Plant Ridge Cultivation	1	2.46	1.78	0.26	1.12	2.28	1.09	8.69	
4	Ridge Cultivation	1	2.00	1.78	0.41	1.12	2.28	1.09	8.69	
5	Pipe D125' Lift	12 AI	14.00	32.32	3.14	2.28	8.63	4.05	64.42	
6	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
7	Spray	Custom	0.30	0.12	0.00	0.11	0.31	0.12	1.01	
8	Combine Irr SB	1	2.20	3.50	3.11	1.18	12.16	2.52	24.67	
9	Truck	Custom	2,20	3.30	3.11	1.10	12.10	2.32	24.07	
,	Total for Field Operations	Custom	\$23.56	\$41.00	\$7.50	\$11.18	\$31.94	\$11.31	\$126.49	<u> </u>
	Total for Field Operations		ΨΔ3.30	ψτ1.00	Ψ7.50	Ψ11.10	ψυ1.94	Ψ11.J1	Ψ140.47	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbicio	de	1	20%	1.5	pints	2.50	0.75	
	Select Max	Herbicio	de	2	40%	6	ounces	1.17	2.81	
	Crop Oil Concentrate	Herbicio	de	2	40%	2	pints	1.13	0.90	
	RR Soybeans	Seed		2	100%	1.1	bags	43.00	47.30	
	Glyphosate w/Surf	Herbicio	de	6	50%	32	ounces	0.16	2.50	
	21-0-0-26S	Fertilize	r	6	50%	2	lbs N	0.53	0.53	
	Aerial Spray	Custom		7	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic	ide	7	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		9	100%	60	bushels	0.13	7.80	
	Total Materials and Service	es							\$66.66	
	m - 11 - 1 C - 11 -	2 4	124	1 10	· ·				φ102.15	T
	Total listed costs for Field)0/ C _ C	.1		\$193.15	
	Interest on Opera				nse @ 8.00	1% for 6 r	nonths		\$6.00	
	Total Operating and Use-R	Related Or	wnership (Costs					\$199.15	<u> </u>
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting	Soybean	ıs - Irrigate	ed					8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Gravity		\$3,109 per	acre @ 4.0	00%			\$124.36	
	Real Estate Taxes	, , , , , , , , , , , , , , , , , , ,	,	\$3,109 per					\$31.09	
	Total Cost per Acre Includ	ing Overl	nead						\$389.35	
	Cost per Bushel								\$6.49	
	Cash Cost per Bushel								\$3.09	

2010 Budget 37. Soybeans, No-Till Narrow Row, Roundup Ready after Corn (63 bu) Pivot 800 GPM 35 PSI, 6 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		V
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Estimate
		ļ								
2	Plant Narrow Row	1	3.21	1.26	0.60	9.00	3.33	2.14	19.53	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
5	Spray	Custom								
6	PivotD 125' Lift	6 AI	2.50	22.27	1.96	6.92	5.39	4.14	43.17	
7	Combine Irr SB	1	2.20	3.50	3.11	1.18	12.16	2.52	24.67	
8	Truck	Custom								
	Total for Field Operations		\$9.41	\$27.62	\$5.95	\$17.63	\$22.43	\$9.41	\$92.45	
		1			Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbici	de .	1	100%	32	ounces	0.16	5.00	Limite
	21-0-0-26S	Fertilize		1	100%	1.7	lbs N	0.53	0.90	
	RR Soybeans	Seed	1	2	100%	1.1	bags	43.00	47.30	
	Pursuit Plus	Herbicie	le le	3	100%	1.67	pints	7.88	13.15	
	Prowl H2O	Herbicio		3	100%	1.5	pints	5.25	7.88	
	Glyphosate w/Surf	Herbici		4	50%	32	ounces	0.16	2.50	
	21-0-0-26S	Fertilize		4	50%	2	lbs N	0.53	0.53	
	Aerial Spray	Custom		5	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic		5	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		8	100%	63	bushels	0.13	8.19	
	Total Materials and Service								\$89.51	
	Total listed costs for Field								\$181.96	
	Interest on Opera	ting Cap	ital \$150.1	2 cash expen	se @ 8.00	% for 6 m	onths		\$6.00	
	Total Operating and Use-R	Related O	wnership (Costs					\$187.96	
		.1		1 22					5.00	
Overhead (accounting, liability insurance, vehicle cost, office expense)										
	Scouting	' 	ıs - Irrigate						8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per					\$132.16	
	Real Estate Taxes			\$3,304 per	acre @ 1.0	00%			\$33.04	
	Total Cost per Acre Includi	ing Overl	nead						\$387.91	
	Cost per Bushel								\$6.16	
Cash Cost per Bushel										

2010 Budget 38. Soybeans, No-Till Narrow Row, Continuous (57 bu) Pivot 800 GPM 35 PSI, 6 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Loviniuve
2	Plant Narrow Row	1	3.21	1.26	0.60	9.00	3.33	2.14	19.53	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
5	Spray	Custom								
6	PivotD 125'Lift	6 AI	2.50	22.27	1.96	6.92	5.39	4.14	43.17	
7	Combine Irr SB	1	2.20	3.50	3.11	1.18	12.16	2.52	24.67	
8	Truck	Custom								
	Total for Field Operations	•	\$9.41	\$27.62	\$5.95	\$17.63	\$22.43	\$9.41	\$92.45	
		1								T
					Percent	Appli	cation			
				Operation	Acres			Applied	_	Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	1	100%	2	lbs N	0.53	1.06	
	RR Soybeans	Seed		2	100%	1.1	bags	43.00	47.30	
	Pursuit Plus	Herbicio		3	100%	1.67	pints	7.88	13.15	
	Prowl H ₂ O	Herbicio		3	100%	1.5	pints	5.25	7.88	
	Glyphosate w/Surf	Herbicio		4	50%	32	ounces	0.16	2.50	
	21-0-0-26S	Fertilize		4	50%	2	lbs N	0.53	0.53	
	Aerial Spray	Custom		5	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic		5	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		8	100%	57	bushels	0.13	7.41	
	Total Materials and Service	es							\$88.89	
	Total listed costs for Field	Om amati a	no and Ma	tomiolo om d G	· · · · · · · · · · · · · · · · · · ·				\$181.34	Γ
						NO./ C . C	.1			<u> </u>
	Interest on Opera				1se @ 8.00	10r 6 r	nontns		\$5.98	
	Total Operating and Use-R	elated O	wnership (Costs					\$187.32	
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Soybean	ıs - Irrigate	ed					8.75	
	Crop Insurance		ıs - Irrigate				21.00			
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.0	00%			\$132.16	
	Real Estate Taxes	1	•		304 per acre @ 1.00%					
	Total Cost per Acre Includi	ng Overl	nead						\$387.27	
	Cost per Bushel								\$6.79	
	Cash Cost per Bushel									

2010 Budget 39. Soybeans, No-Till Drilled, Roundup Ready after Corn (63 bu) Pivot 800 GPM 35 PSI, 6 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
2	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
5	Spray	Custom								
6	PivotD 125' Lift	6 AI	2.50	22.27	1.96	6.92	5.39	4.14	43.17	
7	Combine Irr SB	1	2.20	3.50	3.11	1.18	12.16	2.52	24.67	
8	Truck	Custom								
	Total for Field Operations		\$8.13	\$28.14	\$5.56	\$11.72	\$23.54	\$9.41	\$86.50	
		Ī		Ī	-	A 1°	·	Ī		
					Percent	Арри	cation	4 1. 1		**
	16			Operation	Acres	D.	77 %	Applied	77 1	Your
	Materials and Services	TT 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	1	100%	2	lbs N	0.53	1.06	
	RR Soybeans	Seed	_	2	100%	1.1	bags	43.00	47.30	
	Authority First	Herbicio		3	100%	3.5	ounces	4.40	15.40	
	Prowl H ₂ O	Herbicio		3	100%	1.5	pints	5.25	7.88	
	Glyphosate w/Surf	Herbicio		4	50%	32	ounces	0.16	2.50	
	21-0-0-26S	Fertilize	r	4	50%	2	lbs N	0.53	0.53	
	Aerial Spray	Custom		5	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic	ide	5	20%	3.2	ounces	4.00	2.56	
	Haul Grain bu	Custom		8	100%	63	bushels	0.13	8.19	
	Total Materials and Service	es							\$91.92	
	m . 11: . 1 C . m: 11.	2	13.6						φ1 = 0.41	
	Total listed costs for Field					01.0			\$178.41	
	Interest on Opera				1se @ 8.00	% for 6 r	nonths		\$5.82	
	Total Operating and Use-R	elated O	wnership (Costs					\$184.23	
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting	Soybean	ıs - Irrigate	ed					8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Pivot (S		\$3,304 per acre @ 4.00%					\$132.16	
	Real Estate Taxes	(-		\$3,304 per acre @ 1.00%					\$33.04	
	Total Cost per Acre Includi	ng Overl	nead	, I I					\$384.18	
	Cost per Bushel								\$6.10	
Cash Cost per Bushel									\$2.87	

2010 Budget 40. Sugar Beets Roundup Ready, One Pass Tillage (23 tons) Canal Irrigated, 20 Acre-inches

Times											
Field Operations			Timas	Labor @	Eugl @ \$2	Rep	airs	Owne	ership		Vour
Disc		Field Operations				Dowar	Imp	Dower	Imp	Total	
Spray Custom	1	•									Estillate
3 Spray	<u> </u>		_								
Titll Plant Beets			-	0.90	0.23	0.10	0.23	2,23	1.20	3.13	
Hoe		1 /	-	1 0/	2.54	0.10	0.03	1 23	Q 0.1	19.65	
Castom											
The content of the											
Spray	7										
Ditch Irrigation 20 AI 38.89 38.89 38.89 10 Spray Custom	0		-	2.03	1.04	0.58	0.51	2.10	0.59	7.25	
10 Spray	-			20 00						20 00	
11 Spray Custom 1 2.07 1.36 0.24 1.19 5.25 4.17 14.27 12 Top Beets 1 2.08 2.42 0.27 9.33 5.94 7.51 28.05 14 Truck Custom 1 1.45 2.00 0.17 0.34 3.68 1.22 8.87 15 Subsoil 1 1.45 2.00 0.17 0.34 3.68 1.22 8.87 16 Total For Field Operations \$53.96 \$13.25 \$1.82 \$14.85 \$33.37 \$25.83 \$\$143.09 Materials and Services Operation Arcres Index Applied Arcres Applied Arcres Applied Arcres Index Applied Arcres Index Applied Applied Arcres Index Applied Index Inde	_		-	30.09						30.09	
12 Top Beets		,									
13 Lift Beets	-			2.07	1.26	0.24	1 10	F 25	4 17	14.27	
Truck	-		-								
Total For Field Operations	-		_	2.38	2.42	0.27	9.33	3.94	7.51	28.03	
Total For Field Operations			Lustom	1 45	2.00	0.17	0.24	2.60	1.22	0.07	
Materials and Services	15		1								
Materials and Services		Total For Field Operations		\$53.96	\$13.25	\$1.82	\$14.85	\$33.37	\$25.83	\$143.09	
Materials and Services						Percent	Appli	cation			
Materials and Services					Operation	i	110000		Applied		Vour
10-34-0 Fertilizer 2 100% 13.4 gallons 1.90 25.46 28-0-0 Fertilizer 2 100% 105 lbs N 0.32 33.60 Spray Custom 3, 8, 10 300% 1 acre 6.00 18.00 Glyphosate w/Surf Herbicide 3 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 3 100% 2 lbs N 0.53 1.06 Sugar Beets RR Poncho Seed 4 100% 1 acre 130.00 130.00 Glyphosate w/Surf Herbicide 8 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 8 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 8 100% 2 lbs N 0.53 1.06 Mater Charge Other 9 100% 1 acre 35.00 35.00 Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 10 100% 32 ounces 0.16 5.00 21-0-0-26S 5.00 21-0-0-26S Fertilizer 10 100% 32 ounces 0.16 5.00 21-0-0-26S 5.00		Materials and Services					Rate	I Init		Total	
28-0-0 Fertilizer 2 100% 105 lbs N 0.32 33.60			Fertilize	r	i	i					Limmic
Spray											
Glyphosate w/Surf Herbicide 3 100% 32 ounces 0.16 5.00											
21-0-0-26S Fertilizer 3 100% 2 lbs N 0.53 1.06		1 /	-		i			 			
Sugar Beets RR Poncho Seed 4 100% 1 acre 130.00 130.00		,	-								
Glyphosate w/Surf Herbicide 8 100% 32 ounces 0.16 5.00			-	1							
21-0-0-26S				de .							
Water Charge Other 9 100% 1 acre 35.00 35.00 Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 10 100% 2 lbs N 0.53 1.06 Aerial Spray Custom 11 100% 1 acre 7.50 7.50 Headline Fungicide 11 100% 5 ounces 3.00 15.00 Haul Beets Custom 14 100% 23 tons 3.00 69.00 Total Materials and Services \$351.74 \$351.74 \$351.74 \$351.74 Total listed costs for Field Operations and Materials and Services \$494.83 \$17.42 Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months \$17.42 Total Operating and Use-Related Ownership Costs Scouting Sugar Beets 6.00 Crop Insurance Sugar Beets 30.00 Real Estate Opportunity <td></td>											
Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.16 5.00				1				 			
21-0-0-26S				le .							
Aerial Spray			-								
Headline											
Haul Beets Custom 14 100% 23 tons 3.00 69.00 Total Materials and Services \$351.74 Total listed costs for Field Operations and Materials and Services \$494.83 Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months \$17.42 Total Operating and Use-Related Ownership Costs \$512.25 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Sugar Beets 6.00 Crop Insurance Sugar Beets 30.00 Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% \$61.40 Real Estate Taxes \$1,535 per acre @ 1.00% \$15.35 Total Cost per Acre Including Overhead \$630.00 Cost per Bushel \$27.39											
Total Materials and Services \$351.74 Total listed costs for Field Operations and Materials and Services \$494.83 Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months \$17.42 Total Operating and Use-Related Ownership Costs \$512.25 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Sugar Beets 6.00 Crop Insurance Sugar Beets 30.00 Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% \$61.40 Real Estate Taxes \$1,535 per acre @ 1.00% \$15.35 Total Cost per Acre Including Overhead \$630.00 Cost per Bushel \$27.39											
Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Sugar Beets Crop Insurance Sugar Beets Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% Real Estate Taxes \$1,535 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$27.39					1 **	10070		1 10110	2.00		
Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Straighter of the Cost of the Straighter of the Cost		20.001 1/100011010 0110 001 110								Ψυυτι/ 1	
Interest on Operating Capital \$435.62 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Straighter of the Cost of the Straighter of the Cost		Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$494.83	
Total Operating and Use-Related Ownership Costs \$512.25 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Sugar Beets 6.00 Crop Insurance Sugar Beets 30.00 Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% \$61.40 Real Estate Taxes \$1,535 per acre @ 1.00% \$15.35 Total Cost per Acre Including Overhead \$630.00 Cost per Bushel \$27.39							% for 6 m	onths		\$17.42	
Overhead (accounting, liability insurance, vehicle cost, office expense)5.00ScoutingSugar Beets6.00Crop InsuranceSugar Beets30.00Real Estate OpportunityPivot (Panhandle)\$1,535 per acre @ 4.00%\$61.40Real Estate Taxes\$1,535 per acre @ 1.00%\$15.35Total Cost per Acre Including Overhead\$630.00Cost per Bushel\$27.39											
Scouting Sugar Beets 6.00 Crop Insurance Sugar Beets 30.00 Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% \$61.40 Real Estate Taxes \$1,535 per acre @ 1.00% \$15.35 Total Cost per Acre Including Overhead \$630.00 Cost per Bushel \$27.39		1 0									
Crop Insurance Sugar Beets 30.00 Real Estate Opportunity Pivot (Panhandle) \$1,535 per acre @ 4.00% \$61.40 Real Estate Taxes \$1,535 per acre @ 1.00% \$15.35 Total Cost per Acre Including Overhead \$630.00 Cost per Bushel \$27.39		Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Real Estate OpportunityPivot (Panhandle)\$1,535 per acre @ 4.00%\$61.40Real Estate Taxes\$1,535 per acre @ 1.00%\$15.35Total Cost per Acre Including Overhead\$630.00Cost per Bushel\$27.39		Scouting	Sugar B	eets						6.00	
Real Estate Taxes\$1,535 per acre @ 1.00%\$15.35Total Cost per Acre Including Overhead\$630.00Cost per Bushel\$27.39										30.00	
Real Estate Taxes\$1,535 per acre @ 1.00%\$15.35Total Cost per Acre Including Overhead\$630.00Cost per Bushel\$27.39		Real Estate Opportunity	Pivot (Pa	anhandle)						\$61.40	
Cost per Bushel \$27.39					\$1,535 per	acre @ 1.0	00%			\$15.35	
Cost per Bushel \$27.39		Total Cost per Acre Includ	ing Overl	nead						\$630.00	
										\$21.26	

2010 Budget 41. Sugar Beets Roundup Ready, One Pass Tillage (23 tons) Pivot 800 GPM 35 PSI, 16 Acre-inches

		Times	Labor @	Fuel @ \$2	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	Limite
2	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
3	Spray	Custom				7127				
4	Till Plant Beets	1	1.84	2.54	0.19	0.93	4.23	8.91	18.65	
5	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
6	Spray	Custom								
7	PivotD 125' Lift	16 AI	6.67	59.38	5.23	18.44	14.38	11.03	115.13	
8	Spray	Custom								
9	Spray	Custom								
10	Top Beets	1	2.07	1.36	0.24	1.19	5.25	4.17	14.27	
11	Lift Beets	1	2.58	2.42	0.27	9.33	5.94	7.51	28.05	
12	Truck	Custom								
13	Subsoil	1	1.45	2.00	0.17	0.34	3.68	1.22	8.87	
	Total for Field Operations		\$18.80	\$70.49	\$6.57	\$32.62	\$43.58	\$36.14	\$208.21	
					Percent	Appli	cation			1
				Operation	Acres	119977		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize	r	2	100%	13.4	gallons	1.90	25.46	Lower
	28-0-0	Fertilize		2	100%	105	lbs N	0.32	33.60	
	Spray	Custom		3. 6, 8	300%	1	acre	6.00	18.00	
	Glyphosate w/Surf	Herbicie		3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		3	100%	2	lbs N	0.53	1.06	
	Sugar Beets RR Poncho	Seed		4	100%	1	acre	130.00	130.00	
	Glyphosate w/Surf	Herbici	de	6	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		6	100%	2	lbs N	0.53	1.06	
	Glyphosate w/Surf	Herbici	de	8	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	8	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		9	100%	1	acre	7.50	7.50	
	Headline	Fungici	de	9	100%	5	ounces	3.00	15.00	
	Haul Beets	Custom		12	100%	23	tons	3.00	69.00	
	Total Materials and Service	es							\$316.74	
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$524.95	
	Interest on Opera					% for 6 m	onths		\$17.81	
	Total Operating and Use-F								\$542.76	
	Overhead (accounting, liab	5.00								
	Scouting Sugar Beets									
	Crop Insurance	Sugar B				6.00 30.00				
	Real Estate Opportunity		anhandle)	\$1,535 per	acre @ 4 (00%			\$61.40	
	Real Estate Taxes	11.00(11		\$1,535 per					\$15.35	
	Total Cost per Acre Includ	ing Overl	nead	1 - 7 - 1 - 1					\$660.51	
	Cost per Ton								\$28.72	
	Cash Cost per Ton								\$21.70	
									, ,=, o	

2010 Budget 42. Sunflower, No-Till, Following Corn or Grain Sorghum (13 cwt) Rainfed

		T:	I -1 @	Fuel @ \$2	Repairs		Ownership			V
	Field Operations	Times or Qty	Labor @ \$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Danning
\dashv	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
†	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
1	Spray	0.55	0.33	0.13	0.46	0.12	0.34	0.13	1.12	
1	Combine Rainfed	1	1.89	3.00	2.67	0.12	10.42	8.74	26.90	
	Sunflowers	1	1.07	3.00	2.07	0.10	10.42	0.74	20.70	
1	Truck	Custom								
1	Total for Field Operations		\$5.87	\$4.87	\$3.41	\$5.82	\$14.54	\$11.51	\$46.02	
	•	ı		I						
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
ļ	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
ļ	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
ļ	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.53	1.06	
ļ	Prowl H ₂ O	Herbicio		1	100%	2	pints	5.25	10.50	
ļ	28-0-0	Fertilize		1	100%	50	lbs N	0.32	16.00	
ļ	Spartan 4F	Herbicio		2	100%	5	ounces	4.00	20.00	
ļ	Glyphosate w/Surf	Herbicio		2	50%	32	ounces	0.16	2.50	
ļ	21-0-0-26S	Fertilize		2	50%	2	lbs N	0.53	0.53	
ļ	Prowl H ₂ O	Herbicio	de	2	100%	1	pint	5.25	5.25	
ļ	Sunflower	Seed		3	100%	5	pounds	3.90	19.50	
ļ	*Aerial Spray	Custom		4	55%	1	acre	7.50	4.13	
ļ	*Warrior II/Zeon	Insectic	ide	4	55%	3.84	ounces	4.00	8.45	
ļ	Haul Grain (Sunflower)	Custom		6	100%	13	cwts	0.25	3.25	
ļ	Total Materials and Service								\$96.16	
	*Insecticide for seed weevil and su	nflower mo	th.							
_	m . 11: . 1 C . m: 11:	0 1	12.6	1					φ1.42.10	
ļ	Total listed costs for Field								\$142.18	
ļ	Interest on Opera				nse @ 8.00	% for 6 r	nonths		\$4.65	
	Total Operating and Use-R	elated O	wnership (Costs					\$146.82	
T	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
-	Scouting	None				- /			0.00	
Crop Insurance None									0.00	
ł	Real Estate Opportunity	Rainfed		\$464 per ac	ro@100		\$18.56			
	Teal Lotate Opportunity	Panhan		ψτοτ pci ac	e 4.00	/0			Ψ10.50	
Real Estate Taxes \$464 per acre @ 1.00%										
ſ	Total Cost per Acre Includi	ing Overl	nead						\$175.02	
Ī	Cost per cwt	\$13.46								
Î	Cash Cost per cwt								\$9.29	

2010 Budget 43. Sunflower, Ecofallow, after Wheat, 2 Crops in 3 Years (16 cwt) Rainfed

			_		Rep	airs	Own	ership		
		Times	Labor @	Fuel @ \$2					_	Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
l	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
5	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
5	Spray	Custom								
,	Combine Rainfed	1	1.89	3.00	2.67	0.18	10.42	8.74	26.90	
	Sunflowers									
	Truck	Custom								
	Total for Field Operations		\$6.74	\$5.22	\$3.58	\$6.13	\$15.44	\$11.86	\$48.96	
П					Damasust	Appli	cation			
				05	Percent Acres	Арри	Lation	1		Your
	Materials and Services			Operation		Data	Unit	Applied Price	Total	
-	Landmaster BW	Herbici		Index	Applied 100%	Rate	 	0.16	Total 8.44	Estimate
-	21-0-0-26S	Fertilize		1	100%	54 2	lbs N	0.16		
		Herbicie					<u> </u>		1.06	
ŀ	Glyphosate w/Surf 21-0-0-26S	Fertilize		2 2	100%	32	lbs N	0.16	5.00	
ŀ		Herbici					 	0.53	1.06	
ŀ	Glyphosate w/Surf 21-0-0-26S			3	100%	32	ounces	0.16	5.00	
ŀ		Fertilize		3	100%	2	lbs N	0.53	1.06	
ŀ	Prowl H ₂ O	Herbicie		3	100%	2	pints	5.25	10.50	
ŀ	28-0-0	Fertilize		3	100%	60	lbs N	0.32	19.20	
ŀ	Spartan 4F	Herbici		4	100%	5	ounces	4.00	20.00	
ŀ	Glyphosate w/Surf	Herbicie		4	50%	32	ounces	0.16	2.50	
ŀ	21-0-0-26S	Fertilize		4	50%	2	lbs N	0.53	0.53	
ŀ	Prowl H ₂ O	Herbici	ae	4	100%	1	pint	5.25	5.25	
ŀ	Sunflower	Seed		5	100%	5	pounds	3.90	19.50	
	*Aerial Spray	Custom		6	55%	1	acre	7.50	4.13	
ļ	*Warrior II/Zeon	Insectic		6	55%	3.84	ounces	4.00	8.45	
ŀ	Haul Grain (Sunflower)	Custom		8	100%	16	cwts	0.25	4.00	
ŀ	Total Materials and Servic *Insecticide for seed weevil and su		th						\$115.67	
	miscenciae for seed weevir and se									
T	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$164.63	
}	Interest on Opera					1% for 6 r	nonthe		\$5.49	
ŀ	Total Operating and Use-F				100 0.00	70 101 0 1			\$170.12	
	Total Operating and Use-F	ciated O	whership	Cosis					φ1/0.12	
1	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
ľ	Scouting None									
ĺ	Crop Insurance	None							0.00	
	Real Estate Opportunity	Rainfed (Panhar			\$18.56					
ŀ	Real Estate Taxes \$464 per acre @ 1.00%									
Total Cost per Acre Including Overhead										
İ	Cost per cwt								\$198.32 \$12.40	
İ	Cash Cost per cwt								\$8.93	

2010 Budget 44. Wheat, No-Till after Row Crop, 40 bu Yield Goal (35 bu Actual) Rainfed

	Times	es Labor @ Fuel @ \$2 Repairs Ownership		ership		Your			
Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	Latimite
Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Spray	Custom	0,00	0,21	0,11	0,21	0.02	0.20		
Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
Truck	Custom								
Total for Field Operations	8	\$4.42	\$5.01	\$2.98	\$4.05	\$15.48	\$4.64	\$36.57	
•	_		1						
Percent Application									
			Operation	Acres			Applied		Your
Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
10-34-0	Fertilize	er	1	100%	8	gallons	1.90	15.20	
Wheat	Seed		1	100%	90	pounds	0.13	11.70	
28-0-0	Fertilize		2	100%	60	lbs N	0.32	19.20	
Ally Extra	Herbici		2	100%	0.3	ounce	8.00	2.40	
2,4-D Ester 4#	Herbici	de	2	100%	0.5	pint	2.50	1.25	
NIS Herbicide		de	2	100%	6	ounces	0.17	1.02	
*Aerial Spray	Custom		3	15%	1	acre	7.50	1.13	
*Lorsban 4 E	Insectic	ide	3	10%	1.5	pints	5.25	0.79	
*Warrior II/Zeon	Insectic	ide	3	5%	1.92	ounces	4.00	0.38	
Haul Grain bu	Custom		5	100%	35	bushels	0.13	4.55	
Total Materials and Servi								\$57.62	
*Insecticide for Russian wheat ap	hid and arm	y cutworm.							
Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$94.18	
Interest on Oper					for 6 mg	onths		\$2.96	
Total Operating and Use-								\$97.15	
Total Operating and coc	related O	whership	20313					Ψ77.13	
Overhead (accounting, lia	bility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Scouting	Wheat							6.00	
Crop Insurance Wheat								6.00 \$18.56	
Real Estate Opportunity	nnity Rainfed \$464 per acre @ 4.00% (Panhandle)								
Real Estate Taxes	\$4.64								
Total Cost per Acre Includ	ling Over	head	\$464 per a					\$139.35	
Cost per Bushel	\$3.98								
Cash Cost per Bushel									

2010 Budget 45. Wheat, Stubble Mulch Fallow, 1 Crop in 2 Years, 48 bu Yield Goal (45 bu Actual) Rainfed

					Repairs		Ownership			
		Times	Labor @	Fuel @ \$2		_		_		Your
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	
2	Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	
3	Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	
4	Rod Weeder	1	0.91	0.81	0.11	0.30	2.30	1.31	5.74	
5	Rod Weeder	1	0.91	0.81	0.11	0.30	2.30	1.31	5.74	
6	Spray (onDisc)	1	0.20	0.00	0.02	0.10	0.46	0.63	1.41	
7	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
8	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
9	Spray	Custom								
10	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
11	Truck	Custom								
	Total for Field Operations		\$8.16	\$8.64	\$3.55	\$4.04	\$22.25	\$12.15	\$58.79	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize	r	6	100%	60	lbs N	0.32	19.20	Estimitie
	10-34-0	Fertilize		7	100%	8	gallons	1.90	15.20	
	Wheat	Seed	1	7	100%	60	pounds	0.13	7.80	
	2,4-D Ester 4#	Herbicio	10	8	100%	0.5	pint	2.50	1.25	
	Ally Extra	Herbicio		8	100%	0.3	ounce	8.00	2.40	
	NIS	Herbicio		8	100%	6		0.17	1.02	
	*Aerial Spray	Custom		9	15%	1	ounces	7.50	1.02	
	*Lorsban 4 E	Insectic		9	-		acre		 	
	*Warrior II/Zeon	Insectic		9	10%	1.5	pints	5.25	0.79	
	Haul Grain bu	+			5%	1.92	ounces	4.00	0.38	
		Custom		11	100%	45	bushels	0.13	5.85	
	Total Materials and Servic *Insecticide for Russian wheat aph		v cuturown						\$55.02	
	Thisecticide for Russian wheat apr	na ana arm	y cutworm.							
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$113.81	
	Interest on Opera					for 6 mo	onths		\$3.18	
	Total Operating and Use-F								\$116.99	
	1								1 4110,//	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting Wheat									
1 '	Crop Insurance	Wheat							8.00	
	Real Estate Opportunity	Rainfed (Panhar		\$18.56						
	Real Estate Taxes	\$4.64								
	Total Cost per Acre Includ	\$159.19								
	Cost per Bushel	\$3.54								
	Cash Cost per Bushel								\$2.15	

2010 Budget 46. Wheat, Clean-Till Fallow, 1 Crop in 2 Years, 44 bu Yield Goal (40 bu Actual) Rainfed

		Times	Labor @	F 1 @ #2	Rep	airs	Own	ership		V
	Field Operations	or Qty	\$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	Estillate
2	Field Cultivation	1	0.62	0.77	0.13	0.41	1.43	0.83	4.12	
3	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
4	Field Cultivation	1	0.62	0.77	0.07	0.41	1.43	0.83	4.12	
5	Rod Weeder	1	0.91	0.81	0.11	0.30	2.30	1.31	5.74	
6	Rod Weeder	1	0.91	0.81	0.11	0.30	2.30	1.31	5.74	
7	Anhy Apply (Supplier)	1	0.33	0.00	0.03	0.00	0.76	0.00	1.12	
8	Drill	1	1.80	1.36	0.34	1.80	1.86	1.44	8.60	
9	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
10	Spray	Custom								
11	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
12	Truck	Custom								
	Total for Field Operations		\$9.50	\$10.04	\$3.69	\$5.89	\$25.33	\$10.30	\$64.75	
		Applied		Your						
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	7	100%	50	lbs N	0.27	13.50	
	10-34-0	Fertilize		8	100%	8	gallons	1.90	15.20	
	Wheat	Seed		8	100%	60	pounds	0.13	7.80	
	2,4-D Ester 4#	Herbicio	de	9	100%	0.5	pint	2.50	1.25	
	Ally Extra	Herbicio	de	9	100%	0.3	ounce	8.00	2.40	
	NIS	Herbicio	de	9	100%	6	ounces	0.17	1.02	
	*Aerial Spray	Custom		10	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic	ide	10	10%	1.5	pints	5.25	0.79	
	*Warrior II/Zeon	Insectic	ide	10	5%	1.92	ounces	4.00	0.38	
	Haul Grain bu	Custom		12	100%	40	bushels	0.13	5.20	
	Total Materials and Service								\$48.67	
	*Insecticide for Russian wheat apl	nid and arm	y cutworm.							
	Total listed costs for Field	Operation	ns and Ma	torials and S	Sarvicas				\$113.42	
	Interest on Opera					for 60 r	nonthe		\$3.11	
	Total Operating and Use-F				0.007	101 0.0 1	10111115			
	Total Operating and Use-r	Related O	wnersnip	Joses					\$116.53	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)				
	Scouting Wheat									
	Crop Insurance	Wheat	Wheat Rainfed \$464 per acre @ 4.00%							
	Real Estate Opportunity	Rainfed (Panhar			\$18.56					
	Real Estate Taxes	(1 uman	· · · · · · · · · · · · · · · · · · ·	\$464 per ac	cre @ 1.00	%			\$4.64	
	Total Cost per Acre Includ	ing Overl	nead	-					\$158.73	
	Cost per Bushel								\$3.97	
	Cash Cost per Bushel								\$2.37	

2010 Budget 47. Wheat, No-Till Wheat before Corn, 2 Crops in 3 Years, 60 bu Yield Goal (55 bu Actual) Rainfed

			r 1 0	F 10 42	Rep	airs	Own	ership		***
	E' 110	Times	Labor @	Fuel @ \$2	D	т.	D	τ.	77 . 1	Your
<u> </u>	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
5	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
6	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
7	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
8	Spray	Custom	1.00		0.75	0 = 1	10.15		2005	
9	Combine dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
10	Truck	Custom	A	4	40.50	*	***	h=		
	Total for Field Operations		\$7.76	\$6.57	\$3.63	\$4.89	\$19.05	\$5.62	\$47.51	
		T			D (Appli	cation			
					Percent	Арри	Lation	A 1 · 1		17
	M-4:-1 1 C:			Operation	Acres	D -4-	77	Applied	T-4-1	Your
	Materials and Services	TT 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf 21-0-0-26S	Herbicio Fertilize		1	100%	32	ounces	0.16	5.00	
				1	100%	2	lbs N	0.53	1.06	
	Glyphosate w/Surf	Herbicio		2	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		2	100%	2	lbs N	0.53	1.06	
	Glyphosate w/Surf	Herbicio		3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		3	100%	2	lbs N	0.53	1.06	
	Glyphosate w/Surf	Herbicio		4	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		4	100%	2	lbs N	0.53	1.06	
	10-34-0	Fertilize	r	5	100%	8	gallons	1.90	15.20	
	Wheat	Seed		5	100%	60	pounds	0.13	7.80	
	46-0-0	Fertilize		6	100%	70	lbs N	0.43	30.10	
	Ally Extra	Herbicio		7	100%	0.3	ounce	8.00	2.40	
	NIS	Herbicio		7	100%	6	ounces	0.17	1.02	
	2,4-D Ester 4#	Herbicio		7	100%	0.5	pint	2.50	1.25	
	*Aerial Spray	Custom		8	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		8	10%	1.5	pints	5.25	0.79	
	*Warrior II/Zeon	Insectic		8	5%	1.92	ounces	4.00	0.38	
	Haul Grain bu	Custom		10	100%	55	bushels	0.13	7.15	
	Total Materials and Servic								\$91.46	
	*Insecticide for Russian wheat apl	nid and arm	y cutworm.							
	Total listed costs for Field								\$138.97	
	Interest on Opera	ating Cap	ital \$114.3	1 cash expe	nse @ 8.00	% for 6 r	nonths		\$4.57	
	Total Operating and Use-F	Related O	wnership (Costs					\$143.54	
	Overhead (accounting, liab									
	Scouting	Wheat							6.00	
	Crop Insurance	Wheat							8.00	
	Real Estate Opportunity	Rainfed (Panhar		\$464 per ac	cre @ 4.00	%			\$18.56	
	Real Estate Taxes	(1 4111141		\$464 per ac	cre @ 1.00	%			\$4.64	
	Total Cost per Acre Including Overhead									
	Cost per Bushel	0	· · · · · -	,					\$185.74 \$3.38	
	Cash Cost per Bushel								\$2.42	

2010 Budget 48. Wheat, No-Till after Beans, 100 bu Yield Goal (90 bu Actual) Pivot 800 GPM 35 PSI, 8 Acre-inches

		m:	T 1 0	F 10 #2	Repairs		Ownership			***
	T' 110.	Times	Labor @	Fuel @ \$2	D	T .	D	7 .	77 1	Your
_	Field Operations	or Qty	\$12/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
2	Pivotd 125' Lift	8 AI	3.33	29.69	2.61	9.22	7.19	5.52	57.56	
3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
4	Spray	Custom								
5	Spray	Custom								
6	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
7	Truck	Custom								
	Total for Field Operations		\$7.75	\$34.69	\$5.60	\$13.27	\$22.67	\$10.15	\$94.13	
					Damasust	Appli	cation			
				05	Percent	Арри	Lanon	1		V
	Materials and Services			Operation Index	Acres	D -4-	Unit	Applied Price	T-4-1	Your
		Fertilize			Applied	Rate			<i>Total</i> 15.20	Estimate
	10-34-0 Wheat		r	1	100%	8	gallons	1.90		
		Seed		1	100%	120	pounds	0.13	15.60	
	28-0-0	Fertilize		2	100%	120	lbs N	0.32	38.40	
	2,4-D Ester 4#	Herbici		3	100%	0.5	pint	2.50	1.25	
	Ally Extra	Herbici		3	100%	0.3	ounce	8.00	2.40	
	NIS	Herbici		3	100%	6	ounces	0.17	1.02	
	Aerial Spray	Custom		4	100%	1	acre	7.50	7.50	
	Tilt	Fungici		4	100%	4	ounces	3.00	12.00	
	*Aerial Spray	Custom		5	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		5	10%	1.5	pints	5.25	0.79	
	*Warrior II/Zeon	Insectic	ide	5	5%	1.92	ounces	4.00	0.38	
	Haul Grain bu	Custom		7	100%	90	bushels	0.13	11.70	
	Total Materials and Service								\$107.37	
	*Insecticide for Russian wheat aph	id and arm	y cutworm.							
	Total listed costs for Field								\$201.50	
	Interest on Opera	ting Cap	ital \$168.6	7 cash expen	ise @ 8.00	% for 6 m	onths		\$6.75	
	Total Operating and Use-R	elated O	wnership (Costs					\$208.25	
			_							
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expens	e)				
	Scouting	Wheat							6.00	
	Crop Insurance									
	Real Estate Opportunity		anhandle)		8.00 \$61.40					
	Real Estate Taxes		\$15.35							
	Total Cost per Acre Includi		\$304.00							
	Cost per Bushel	\$3.38								
	Cash Cost per Bushel	\$2.10								
_	Cash Cost per Dusher								Ψ2.10	

This publication has been peer reviewed.

UNL Extension publications are available online at http://extension.unl.edu/publications.

Disclaimer

Reference to commercial products or trade names is made with the understanding that no discrimination is intended of those not mentioned and no endorsement by University of Nebraska–Lincoln Extension is implied for those mentioned.