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EC872

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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. BarrettDirector, Nebraska Farm Business Inc.
3815 Touzalin Ave., Suite 105
Lincoln, NE 68507

tbarrett2@unl.edu
(402) 464-6424



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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
*	Not Owned	Not Owned	40.00 ac	per Hour
Anhy Apply (supplier)				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
	10.00/ac	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		
11-52-0	0.22/lb	Dual II Magnum	16.25/pt
46-0-0	0.43/lb N	Expert	11.00/qt
	0.43/16 N 0.27/lb N	Glyphosate	0.16/oz
82-0-0		Gramoxone Inteon	4.75/pt
Uncomposted Manure	6.00/ton	Landmaster BW	0.16/oz
Eungioidos		Lumax	17.50/qt
Fungicides	¢2.00/a=	NIS	0.17/oz
Headline	\$3.00/oz	Peak	14.50/oz
Tilt	3.00/oz	Prowl H ₂ O	5.25/pt
Seed		Pursuit	5.16/oz
	φ.4. 20 /II	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	13.00/oz
Corn Bt ECB & RW	225.00/bag		
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	21.00/ac
Oats (With Alfalfa)	8.00/bu	Sugar Beets	30.00/ac
RR Soybeans	43.00/bag	Grain Sorghum	21.00/ac
Soybeans 2 yield	58.00/bag		
Sorghum Safened/Seed	2.00/lb		
Sorghum Sudan	0.70/lb		
Sugarbeets RR Poncho	130.00/ac		
Sunflower	3.90/lb		
Wheat	0.13/lb		
Wheat (Certified)	0.20/lb		
Wheat (Certified with Dividend Extrem			

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 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						

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	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	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	
4	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	
8	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
	Total for Field Operations		\$7.61	\$5.50	\$1.37	\$3.80	\$9.65	\$4.76	\$32.68	
					_	4 1*				
				Operation	Percent Acres	Арри	cation 	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	100	pounds	0.22	22.00	
	Alfalfa w/Inoculant	Seed		6	100%	12	pounds	4.20	50.40	
	Pursuit	Herbicio	de	7	100%	4	ounces	5.16	20.63	
	Crop Oil Concentrate	Herbicio	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								\$97.91	
	*Insecticide for potato leafhopper	s.								
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				130.59	
	Interest on Opera					0% for 6 1	months		4.65	
	Total Operating and Use-F								\$135.24	
		.1.		,						
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting None							0.00		
	Crop Insurance None						0.00			
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per					57.64	
	Real Estate Taxes			\$1,441 per	acre @ 1.	00%			14.41	
	Total Cost per Acre Includ	ing Overl	nead						\$212.29	

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

				1						
		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	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	
					D (Appli	cation			
				Operation	Percent Acres	Арри	cation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	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	Operation	ns and Ma	terials and 9	Services				\$231.01	
	Interest on Opera					% for 6 m	onths		\$7.34	
	Total Operating and Use-R					70 101 0 11			\$ 238.35	
			1							<u> </u>
	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	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	ng Overl	nead						\$315.40	
	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

	TI.		Lahan @ Fual @ #2		Rep	airs	Owne	ership		
	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	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	PivotD 125'Lift	12 AI	5.00	44.53	3.92	13.83	10.79	8.27	86.35	
8	Swath/Cond Hay	2	2.98	2.48	4.28	0.00	3.11	0.00	12.85	
9	Turn Windrows	0.5	0.53	0.18	0.11	0.09	0.60	1.28	2.79	
10	Lg Sq Bale	3.3 ton	2.71	2.54	0.29	2.99	6.24	6.06	20.83	
11	Load Lg Sq	3.3 ton	4.84	2.82	0.51	0.00	11.14	0.60	19.92	
12	Spray	0.5	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
	Total for Field Operations		\$22.72	\$57.69	\$10.00	\$20.07	\$44.58	\$23.25	\$178.33	
				Openation	Percent	Appli	cation	Applied		Varia
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	11-52-0	Fertilize	r	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 Lg Sq	Other		10	100%	4.8	bales	0.45	2.16	
	Lorsban 4 E	Insectic	ide	12	100%	1	pint	5.25	5.25	
	Total Materials & Services								\$115.32	
	*Insecticide for potato leafhoppers									
	Total listed costs for Field (Operatio	ns and Ma	terials and S	Services				\$293.65	
	Interest on Opera					% for 6 m	nonths		\$7.34	
	Total Operating and Use-R					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$302.68	
	Overhead (accounting, liability insurance, vehicle cost, office expense)								5.00	
	Scouting None							0.00		
	Crop Insurance None Real Estate Opportunity Rainfed (State) \$3,304 per acre @ 4.00%							0.00		
	Real Estate Opportunity	\$3,304 per					\$132.16			
	Real Estate Taxes			\$3,304 per	acre @ 1.0	00%			\$33.04	
	Total Cost per Acre Includi	ng Overl	nead						\$472.88	
	Cost per Ton								\$143.30	
	Cash Cost per Ton								\$71.16	

2010 Budget 4. Alfalfa, Established with Oats (2.25 tons) Canal Irrigated, 18 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	
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	
		Applied		Your						
	Materials and Services			Operation Index	Acres 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	rials and Se	rvices				\$223.32	
	Interest on Opera	ting Cap	ital \$191.90) cash expen	se @ 8.00	% for 6 m	nonths		\$7.68	
	Total Operating and Use-R	elated O	wnership (Costs					\$231.00	
	0 1 1/	.1		1		`			5.00	I
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting	None							0.00	
	Crop Insurance	None		h1 40=		200/			0.00	
	Real Estate Opportunity	Gravity (Panhar		\$1,495 per	acre @ 4.0	00%			\$59.80	
	Real Estate Taxes			\$1,495 per	acre @ 1.0	00%			\$14.95	
	Total Cost per Acre Includin	ng Overh	ead						\$310.75	
	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									
	Materials and Services Percent Application Applied									Your 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	Operation	ns and Ma	terials and S	Services				\$90.72	
	Interest on Opera					for 6 ma	nths		\$2.08	
	Total Operating and Use-R				<u> </u>	7 101 0 1110			\$92.80	
									7	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting							0.00		
	Crop Insurance							0.00		
	Real Estate Opportunity	Pivot (S	tate)	\$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	ing Overl	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			
	Operation Percent Application Applied											
	Materials and Services	Price	Total	Your Estimate								
	11-52-0	Fertilize	r	1	Applied 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	Herbici	de	10	25%	4.5	ounces	5.16	5.80			
	Crop Oil Concentrate	Herbici	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 montl **Insecticide for cutworms, grassl											
	insecticide for cutworms, grassi	поррегѕ, ар	mus, etc.									
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$293.05			
	Interest on Opera	ting Cap	ital \$196.47	7 cash expen	se @ 8.00	% for 6 m	nonths		\$7.86			
	Total Operating and Use-Related Ownership Costs											
										· · · · · · · · · · · · · · · · · · ·		
	Overhead (accounting, liab	1	rance, vehi	cle cost, offi	ce expense	e)			5.00			
	Scouting	None							0.00			
	Crop Insurance	None		ha ca:					0.00			
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per					\$132.16			
	Real Estate Taxes			\$3,304 per	acre @ 1.0)0%			\$33.04			
	Total Cost per Acre Includi	ıng 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	117711		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	
	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 Servic	es							\$157.37	
	*Insecticide for cutworms, grassh	oppers, aph	ids, etc.							
	Total listed costs for Field	Operatio	ns and Ma	terials and 9	Services				\$315.96	
	Interest on Opera					% for 6 m	onths		\$10.24	
	Total Operating and Use-F					70 101 0 11			\$326.20	
	Total Operating and Ose I	whership						ψ320.20		
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	None							0.00	
	Crop Insurance	None		<u> </u>					0.00	
	Real Estate Opportunity	Gravity	(State)	\$3,109 per					\$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

Field Operations					T 10 to	Rep	airs	Own	ership		
Chise 1		E' 110	Times	Labor @	Fuel @ \$2	D	τ.	D.	т.	77 . 1	Your
2 Anhydrous Apply 1 1.68 1.62 0.18 0.82 3.87 3.07 11.23 3 Field Caltivation 1 0.62 0.77 0.07 0.41 1.43 0.83 4.12 Plant 1 1 2.20 0.91 0.41 4.07 2.28 2.14 12.01 5 Spray 1 0.060 0.24 0.11 0.21 0.62 0.25 2.03 Row Crop Caltivation 1 2.00 1.02 0.23 0.38 5 Spray 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.24 8 Spray 0.25 0.50 0.25 0.06 0.20 1.27 0.20 2.24 8 Spray 0.25 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 8 Sb u 0.43 0.46 0.08 0.03 0.05 0.16 0.06 0.51 12 Truck 0.38 0.43 0.46 0.08 0.03 0.05 0.16 0.06 0.51 13 Dry Grain 0.3 14 Chop Stalks 1 1.07 0.93 0.11 0.31 2.46 1.55 6.44 15 Cart 1 1.07 0.93 0.11 0.31 2.46 1.55 6.44 15 Total for Field Operations 12.84 \$11.57 \$4.80 \$9.74 \$33.58 \$17.29 \$89.82 Materials and Services Materials and Services Materials and Services Percent Application Corn Seed 4 100% 85 lbs N 0.27 22.95 Percent Application Corn Seed 4 100% 6 6 gallons 1.90 1.10 1.40 Bicep II Magnum Herbicide 8 2.5% 1 0 ounce 5.90 24.54 10-34-0 Fertilizer 4 100% 6 6 gallons 1.90 1.10 1.10 Spray	_		1					 			Estimate
Second Fertilizer Second	1		1								
Plant	_		+								
Some	-		+								
Rew Crop Cultivation 1 2.00 1.02 0.23 0.81 5.06 0.79 9.91			+								
Registrate Re	5	<u> </u>	+								
S Spray	_		+					-			
Spray	_	•									
10 Combine Rainfed Corn 1 2.40 3.82 3.39 2.01 13.26 3.50 28.38	_		+								
11 Cart	_	1 /	Custom								
12 Truck	10		1	2.40				 		28.38	
13 Dry Grain Custom	11		+	0.43	0.46	0.08	0.03	0.45	0.54	1.99	
14 Chop Stalks	12		+								
Total for Field Operations	-	,	Custom								
Naterials and Services	14		<u> </u>								
Materials and Services Pertilizer 2 100% 85 lbs N 0.27 22.95		Total for Field Operations		\$12.84	\$11.57	\$4.80	\$9.74	\$33.58	\$17.29	\$89.82	
Materials and Services Pertilizer 2 100% 85 lbs N 0.27 22.95			T				. 7.		ı		
Materials and Services Fertilizer 2 100% 85 lbs N 0.27 22.95							Applı	cation			
Secontage					-		_				
Corn Seed 4 100% 0.16 bag 175.00 28.44 *Regent 4 SC Insecticide 4 100% 4.16 ounces 5.90 24.54 10-34-0 Fertilizer 4 100% 6 gallons 1.90 11.40 Bicep II Magnum Herbicide 5 100% 2.1 quarts 12.50 26.25 Spray Custom 8 25% 1 acre 6.00 1.50 Spirit Herbicide 8 25% 1 ounce 13.00 3.25 Crop Oil Concentrate Herbicide 8 25% 2 pints 1.13 0.57 *Spray Custom 9 50% 1 acre 6.00 3.00 *Lorsban 15 G Insecticide 9 10% 5 pounds 2.35 1.18 *Brigade Insecticide 9 10% 5.12 ounces 1.20 0.30 *Brigade Insecticide 9 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 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 Services 13,000 seeds per acre, 80,000 seeds per bag \$161.34 *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services \$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, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 8.00 \$14.41 Total Cost per Acre Including Overhead \$335.22 Cost per Bushel \$4.16											Estimate
*Regent 4 SC			+	r				 			
10-34-0 Fertilizer			+								
Bicep II Magnum							4.16	 			
Spray			+					gallons			
Spirit			+				2.1	quarts			
Crop Oil Concentrate		· ·					1	acre			
*Spray Custom 9 50% 1 acre 6.00 3.00 *Lorsban 15 G Insecticide 9 10% 5 pounds 2.35 1.18 *Brigade Insecticide 9 10% 2.5 ounces 1.20 0.30 *Brigade Insecticide 9 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 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 Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months \$8.01 Total Operating and Use-Related Ownership Costs Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel			+					ounce			
*Lorsban 15 G			1	de							
*Brigade Insecticide 9 10% 2.5 ounces 1.20 0.30 *Brigade Insecticide 9 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 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 Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services 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, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16			+					 			
*Brigade Insecticide 9 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 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 Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs \$251.16 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel			+					 			
*Mustang Max Insecticide 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 Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months \$8.01 Total Operating and Use-Related Ownership Costs \$251.16 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Rainfed Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16			+								
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 Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Rainfed Crop Insurance Corn - Rainfed (State) \$1,441 per acre @ 4.00% Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 1.00% \$353.22 Cost per Bushel **Insurance State Opportunity State of the surface			1				5.12	ounces			
Dry 4 Points Removed Custom 13 100% 85 bushels 0.30 25.50			+	ide							
Total Materials and Services 13,000 seeds per acre, 80,000 seeds per bag *Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Corn - Rainfed Crop Insurance Corn - Rainfed Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 4.00% Real Estate Taxes \$1,441 per acre @ 1.00% \$353.22 Cost per Bushel								-			
*Insecticides for rootworm, 1st & 2nd brood European corn borer, spider mites, and western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Rainfed Crop Insurance Corn - Rainfed Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 4.00% Real Estate Taxes \$1,441 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel *251.16 \$251.16 \$251.16 \$6.00 \$1.00 \$								bushels	0.30		
Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Rainfed Crop Insurance Corn - Rainfed Real Estate Opportunity Rainfed (State) \$1,441 per acre @ 4.00% Real Estate Taxes \$1,441 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$251.16 \$251.16 \$251.16 \$6.00 \$1										\$161.34	
Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Rainfed Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16		*Insecticides for rootworm, 1st &	2nd brood I	European cor	n borer, spider	mites, and w	estern bean	cutworm, r	espectively.		
Interest on Operating Capital \$200.28 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Corn - Rainfed Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16		m . 11' . 1 m 11	0	137	1 . 1/	, .				φ <u>α</u> στι 1.6	
Total Operating and Use-Related Ownership Costs \$259.17 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16							0/ 6 =	.1			<u> </u>
Overhead (accounting, liability insurance, vehicle cost, office expense)5.00ScoutingCorn - Rainfed6.00Crop InsuranceCorn - Rainfed11.00Real Estate OpportunityRainfed (State)\$1,441 per acre @ 4.00%\$57.64Real Estate Taxes\$1,441 per acre @ 1.00%\$14.41Total Cost per Acre Including Overhead\$353.22Cost per Bushel\$4.16						se @ 8.00	% for 6 m	nonths			
Scouting Corn - Rainfed 6.00 Crop Insurance Corn - Rainfed 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 Including Overhead \$353.22 Cost per Bushel \$4.16		Total Operating and Use-I	Related O	wnership (Costs					\$259.17	<u> </u>
Crop InsuranceCorn - Rainfed11.00Real Estate OpportunityRainfed (State)\$1,441 per acre @ 4.00%\$57.64Real Estate Taxes\$1,441 per acre @ 1.00%\$14.41Total Cost per Acre Including Overhead\$353.22Cost per Bushel\$4.16		Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)	,		5.00	
Crop InsuranceCorn - Rainfed11.00Real Estate OpportunityRainfed (State)\$1,441 per acre @ 4.00%\$57.64Real Estate Taxes\$1,441 per acre @ 1.00%\$14.41Total Cost per Acre Including Overhead\$353.22Cost per Bushel\$4.16		Scouting	Corn - I	Rainfed						6.00	
Real Estate OpportunityRainfed (State)\$1,441 per acre @ 4.00%\$57.64Real Estate Taxes\$1,441 per acre @ 1.00%\$14.41Total Cost per Acre Including OverheadCost per Bushel\$4.16											
Real Estate Taxes\$1,441 per acre @ 1.00%\$14.41Total Cost per Acre Including Overhead\$353.22Cost per Bushel\$4.16			+		\$1,441 per	acre @ 4.0	00%				
Total Cost per Acre Including Overhead\$353.22Cost per Bushel\$4.16				/							
Cost per Bushel \$4.16			ing Overl	nead	· · · · · · · · · · · · · · · · · · ·						
		_	0 - 1411	.							
		Cash Cost per Bushel								\$2.65	

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	Loviniuve
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	•	\$6.94	\$6.10	\$4.16	\$7.64	\$19.20	\$7.78	\$51.82	
_		l			_	4 1'				
				05	Percent	Appli	cation I	A = = 1: - 1		V
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	28-0-0	Fertilize	r	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100%	110	lbs N	0.32	35.20	LSHIILUK
	Expert	Herbicio		1	100%	3	quarts	11.00	33.00	
	Corn Bt ECB & RW	Seed	ıc	2	80%	0.20	bag	250.00	40.00	
	Corn	Seed		2	20%	0.20	bag	175.00	7.00	
	*Regent 4 SC	Insectic	ide	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	0.10	0.90	
	*Spray	Custom	1	4	32%	1.7	acre	6.00	1.92	
	*Lorsban 15 G	Insectic	ide	4	2%	2	pounds	2.35	0.09	
	*Brigade	Insectic		4	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		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 Service							0.00	\$183.84	
	*Insecticides for rootworm (refuge							n bean cutw		у.
	Total listed costs for Field								\$235.66	
	Interest on Opera	<u> </u>			se @ 8.00	% for 6 m	nonths		\$8.35	
	Total Operating and Use-Related Ownership Costs								\$244.01	
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting	Corn - I	Rainfed						6.00	
	Crop Insurance	Corn - I							11.00	
	Real Estate Opportunity	Rainfed		\$1,441 per	acre @ 4.0	00%			\$57.64	
	Real Estate Taxes		/	\$1,441 per					\$14.41	
	Total Cost per Acre Includi	ing Overl	nead	I					\$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

		<i>m</i> :	. 1 0	F 10 #2	Rep	airs	Own	ership		17
	Field Operations	Times	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Imp	Power	Imp	Total	Your Estimate
1	Spray Liquid Fertilizer	or Qty	0.98	0.25	0.10	<i>Imp.</i> 0.29	2.25	<i>Imp.</i> 1.26	5.13	Estimate
<u> </u>										
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	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		\$6.97	\$6.14	\$4.17	\$7.64	\$19.24	\$7.82	\$51.99	
					Percent	Appli	cation			
				Operation	Acres	1177		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	er	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	d European co	orn borer (10%	of refuge), s	pider mites	, and wester	n bean cutw	orm, respectively	у.
	Total listed costs for Field								\$265.20	
	Interest on Opera				ise @ 8.00	% for 6 m	onths		\$9.53 \$274.73	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
				cic cost, offi		~)			5.00	
	Scouting	Corn - I							6.00	
	Crop Insurance	Corn - I							11.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per					\$57.64	
	Real Estate Taxes			\$1,441 per	acre @ 1.0)0%			\$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

		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	Limite
2	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
3		1	0.60	0.24	0.40	0.21	0.62	0.25	2.03	
4	Spray Spray	0.25	0.00	0.24	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	0.13	0.00	0.03	0.03	0.10	0.00	0.51	
_	Total for Field Operations		\$6.76	\$6.21	\$4.21	\$7.62	\$17.78	\$6.89	\$49.46	
	704 M 101 114 M 0 P 41 W 10110		ψοι, σ	40.2 1	V1.21	47.102	Ψ1,ο	40.00	Ų 17,110	
	M-4:-1 1 C	Applied	T-4-1	Your						
	Materials and Services 28-0-0	Fertilize		Index 1	Applied 100%	Rate 75	Unit lbs N	Price 0.32	<i>Total</i> 24.00	Estimate
	Corn Bt ECB	Seed	T	2	80%	0.22		225.00	39.38	
	Corn	Seed		2	20%	0.22	bag 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%	1.7	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	ide	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		9	50%	110	bushels	0.30	16.50	
	Total Materials and Service	es 17,500	seeds per a	cre, 80,000	seeds per	bag, 20%	refuge		\$154.56	
	*Insecticides for 1st & 2nd brood I	European co	orn borer (10	% of refuge), sp	oider mites,	and western	bean cutwo	rm, respecti	vely.	
	Total listed costs for Field								\$204.01	
	Interest on Opera				ise @ 8.00	% for 6 m	onths		\$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	Rainfed						6.00	
	Crop Insurance	Corn - I	Rainfed						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	ng Overl	nead						\$305.24	
	Cost per Bushel								\$2.77	
	Cash Cost per Bushel									

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

		I			Rep	airs	Own	ership		
	T. 110	Times	Labor @	Fuel @ \$2		Ţ	_	· ·		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	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	Herbici	de	1	100%	32	ounces	0.16	5.00	
	AAtrex 4L	Herbici	de	2	100%	1.5	quarts	6.00	9.00	
	Glyphosate w/Surf	Herbici	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	Herbici	de	3	100%	0.5	quart	6.00	3.00	
	Balance Flexx	Herbici	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	Herbici	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	Insectic	ide	6	2%	2	pounds	2.35	0.09	
	*Brigade	Insectic	ide	6	2%	2.5	ounces	1.20	0.06	
	*Brigade	Insectic	ide	6	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic	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								\$245.84	
	*Insecticides for 1st & 2nd brood	European co	orn borer (10	% of refuge), sp	oider mites,	and western	bean cutwo	rm, respecti	vely.	
	Total listed costs for Field	Oneratio	ns and Ma	terials and G	Services				\$254.63	
	Interest on Opera					% for 6 m	onthe		\$8.79	
	Total Operating and Use-R				186 @ 0.00	70 101 0 11	10111118		\$211.19	
	T U								Ψ211.17	
	Overhead (accounting, liab			cle cost, offi	ce expense	e)			5.00	
	Scouting	Corn - l							6.00	
	Crop Insurance	Corn - l							11.00	
	Real Estate Opportunity	Rainfed	(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 Includ	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

		T:	I -1 @	F 1 @ #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	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	Estimate
_										
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		10.10	. = 0	2.12	12.01		0.5.50	
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			0					
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	
_		l			D .	1001:		l		
				0	Percent	Appli	<i>синоп</i>	A 1 · 1		17
	10			Operation	Acres	ъ.	***	Applied	m . 1	Your
ŀ	Materials and Services	** 1	1	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	
ļ	Bicep II Magnum	Herbicio	de	3	40%	1.8	quarts	12.50	9.00	
ļ	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	
ļ	*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	ide	7	20%	2	ounces	2.00	0.80	
	Haul Grain bu	Custom		11	100%	205	bushels	0.13	26.65	
ļ	Dry 4 Points Removed	Custom		12	100%	205	bushels	0.30	61.5	
ļ	Total Materials and Service								\$263.83	
	*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 Field								\$457.20	
	Interest on Opera				ise @ 8.00	% for 6 m	onths			
Ì	Total Operating and Use-F	Related O	wnership (Costs					\$15.53	
	Overhead (accounting, liab			cle cost, offi	ce expens	e)			5.00	
	Scouting	Corn - I	rrigated						\$9.00	
	Crop Insurance	Corn - I	rrigated						\$21.00	
Ì	Real Estate Opportunity	Gravity		\$3,109 per	acre @ 4.0	00%			\$124.36	
Ì	Real Estate Taxes		,	\$3,109 per					\$31.09	
ŀ	Total Cost per Acre Includ	ing Overl	nead	1					\$663.18	
- 1	Cost per Bushel								\$3.24	
	COSEDEL DUSPE									

2010 Budget 14. Corn, Ridge-Till, SmartStax, Continuous, 235 bu Yield Goal, (220 bu Actual) Gravity 1,000 GPM 10 PSI, 18 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	0.2	0.12	0.05	0.02	0.04	0.12	0.05	0.41	Estimate
		1								
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	21.00	40.40	4.70	2.42	12.04	6.00	06.62	
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		220	1.12	1.18	0.21	0.07	1.16	1.40	5.14	
11	Truck	Custom								
12	, ,	Custom	1.07	0.00	0.11	0.25	0.15	1		
13		1	1.07	0.93	0.11	0.31	2.46	1.55	6.44	
	Total for Field Operations		\$34.84	\$62.39	\$10.99	\$16.26	\$49.21	\$20.03	\$193.72	
		1		Danagust	Appli	cation	I		T	
				Operation	Percent Acres	дүрн		Applied		Your
	Matarials and Samiass			Index		Data	I Teair	Applied Price	Total	Estimate
	Materials and Services	Herbici	1.	i	Applied 20%	Rate	Unit	•		Estimate
	2,4-D Ester 4# 82-0-0	Fertilize		2	100%	1.5 235	pints lbs N	2.50 0.27	0.75 63.45	
	10-34-0	Fertilize		3	100%			!		
		+		3	-	6	gallons	1.90	11.40	
	Bicep II Magnum	Herbici	ae		40%	1.8	quarts	12.50	9.00	
	Corn SmartStax	Seed		3	95%	0.40	bag	350.00	133.00	
	Corn	Seed Insectic	:1.	3	5%	0.40	bag	175.00	3.50	
	*Regent 4 SC	+		7	20%	4.16	ounces	5.90	4.91	
	*Spray	Custom			30.5%	1	acre	6.00	1.83	
	*Lorsban 15 G	Insectic		7	0.5%	5	pounds	2.35	0.06	
	*Brigade	Insectic		7	10%	5.12	ounces	1.20	0.61	
	*Mustang Max	Insectic		7	20%	2 220	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 Service								\$323.91	
	*Insecticides for rootworm (refug	e), 1st brood	a European co	orn borer (10%	or reruge),	spider mites	, and wester	n bean cutw	orm, respectivel	y.
	m . 111 . 1	0	13.5	1					φ <u>ε</u> 1Ε (2	
	Total listed costs for Field					0.4.6.			\$517.63	
	Interest on Opera				ise @ 8.00	% tor 6 m	nonths		\$17.94	
	Total Operating and Use-I	Related O	wnership (Costs					\$535.56	
	Overhead (accounting, liab	rance, vehi	cle cost, offi	ce expens	e)			5.00		
	Scouting		Irrigated		- 5 - 11 P - 11 O	-,			9.00	
	Crop Insurance		Irrigated						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 Organi	hood	ψο,100 μει	acic e 1.	00 /0			\$726.01	
	Cost per Bushel	mg Overi	ıcau						\$3.30	
	Cash Cost per Bushel									
	Casii Cost per dusnei								\$2.26	

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

		<i>T</i> .	1.1.0	F 10 02	Rep	airs	Own	ership		17
	F:-11 Ost'	Times	Labor @	Fuel @ \$2	D	T6	D	T6	T-4-1	Your
1	Field Operations Spray	<i>or Qty</i> 0.2	\$12/Hr 0.12	and Lube 0.05	Power 0.02	<i>Imp.</i> 0.04	Power 0.12	<i>Imp.</i> 0.05	Total 0.41	Estimate
	_ ,									
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	0.11	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	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51	
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	210 bu	1.07	1.13	0.20	0.07	1.10	1.33	4.91	
10	Truck	Custom								
11	,	Custom	***	***	***	***	*** **	*** * * * * * * * * * * * * * * * * * *	***	
	Total for Field Operations	<u> </u>	\$12.87	\$42.66	\$8.56	\$19.82	\$34.47	\$16.60	\$134.97	
		T			Percent	Appli	cation			
				Operation	Acres	219911	COLLOIL	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	Limine
	82-0-0	Fertilize		2	100%	225	lbs N	0.27	60.75	
	Bicep II Magnum	Herbicio		3	100%	2.1	quarts	12.50	26.25	
	Corn Bt ECB & RW	Seed	ac	4	80%	0.38	bag	250.00	75.00	
	Corn	Seed		4	20%	0.38	bag	175.00	13.13	
	*Regent 4 SC	Insectic	ide	4	20%	4.16	ounces	5.90	4.91	
	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40	
	Spirit	Herbicio		5	25%	1	ounce	13.00	3.25	
	Crop Oil Concentrate	Herbicio		5	25%	2	pints	1.13	0.57	
	*Spray	Custom		6	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		6	2%	5	pounds	2.35	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%	210	bushels	0.13	27.30	
	Dry 4 Points Removed	Custom		11	100%	210	bushels	0.30	63.00	
	Total Materials and Service								\$289.87	
	*Insecticides for rootworm (refug							n bean cutw	· ·	y.
			•						-	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$424.84	
	Interest on Oper					% for 6 m	nonths		\$14.95	
	Total Operating and Use-								\$439.79	
	Total Operating and Ooc		ioioiiip	23040					Ψ107.77	
	Overhead (accounting, lia	bility insu	rance, vehi	cle cost, offi	ce expens	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			\$3,304 per					\$33.04	
	Total Cost per Acre Includ	ling Overl	nead	. <u>.</u>					\$639.99	
	Cost per Bushel	0 - 1411							3.05	
	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

					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	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	0.25	0.15	0.06	0.03	0.05	0.16	0.06	0.51		
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	225 bu	1.14	1.21	0.21	0.08	1.18	1.43	5.26		
10	Truck	Custom									
11	Dry Grain	Custom									
	Total for Field Operations		\$12.94	\$42.74	\$8.57	\$19.83	\$34.55	\$16.69	\$135.32		
	•	1					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	r	2	100%	240	lbs N	0.27	64.80		
	Bicep II Magnum	Herbicio	de	3	100%	2.1	quarts	12.50	26.25		
	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	Insectic	ide	4	5%	4.16	ounces	5.90	1.23		
	10-34-0	Fertilize	r	4	100%	6	gallons	1.90	11.40		
	Spirit	Herbicio	de	5	25%	1	ounce	13.00	3.25		
	Crop Oil Concentrate	Herbicio	de	5	25%	2	pints	1.13	0.57		
	*Spray	Custom		6	30.5%	1	acre	6.00	1.83		
	*Lorsban 15 G	Insectic	ide	6	0.5%	5	pounds	2.35	0.06		
	*Brigade	Insectic	ide	6	10%	5.12	ounces	1.20	0.61		
	*Mustang Max	Insectic	ide	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 Service	es 32,000	seeds per a	cre, 80,000	seeds per	bag, 5% r	efuge		\$344.80		
	*Insecticides for rootworm (refug							n bean cutw		y	
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$480.12		
	Interest on Opera					% for 6 m	nonths		\$17.16		
	Total Operating and Use-F								\$497.27		
	Total of cracing and cot 1		··· III • I • I I I I I I I I I I I I I						4127.12		
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00		
	Scouting	Corn - I	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	1 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					\$697.47		
Cost per Bushel									\$3.10		
							,		\$2.12		
	Cush Cost per Dusher	Cash Cost per Bushel									

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	ПСР	uiis	Own	listup		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	Chop Stalks	1	1.07	0.93	0.11	0.31	2.46	1.55	6.44	
	Total for Field Operations	\$23.80	\$193.75							
			Your							
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Estimate
	82-0-0	Fertilize	r	2	100%	215	lbs N	0.27	58.05	Estimate
	Balance Flexx	Herbici		4	100%	4	ounces	4.50	18.00	
	Bicep II Magnum	Herbici		4	100%	2.1	quarts	12.50	26.25	
	10-34-0	Fertilize		5	100%	6	gallons	1.90	11.40	
	Corn Bt ECB & RW	Seed	1	5	80%	0.37	bag	250.00	73.75	
	Corn	Seed		5	20%	0.37	bag	175.00	12.95	
	Regent 4 SC	Insectic	ide	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	0.61	
	*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	0.30	60.00	
	Total Materials and Service	es 29,500	seeds per a			bag, 20%		•	\$294.88	
	*Insecticides for rootworm (refuge							n bean cutw	orm, respectively	у.
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$488.63	
	Interest on Opera	ting Cap	ital \$414.0	ocash expen	se @ 8.00	% for 6 m	nonths		\$16.56	
Total Operating and Use-Related Ownership Costs										
						\				
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)	,		5.00	
	Scouting	†	Irrigated						9.00	
	Crop Insurance	i	Irrigated						21.00	
	Real Estate Opportunity	Pivot (S	State)	\$3,304 per					\$132.16	
	Real Estate Taxes			\$3,304 pe	r acre @ 1	.00%			\$33.04	
	Total Cost per Acre Includ	ing Overl	nead						\$705.39	
	Cost per Bushel								\$3.53 \$2.30	
	Cash Cost per Bushel									

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

					Rep	airs	Times Labor @ Fuel @ \$2 Field Operations or Oty \$12/Hr and Lube Power Imp Power Imp Total Estimate											
					_	_												
	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	215 bu Custom	1.09	1.16	0.20	0.07	1.13	1.37	5.02									
12	Truck																	
13	Dry Grain																	
14		1.55 \$23.90	6.44															
	Total for Field Operations	\$194.10																
	Percent Application																	
	Percent Application Operation Acres Applied Your																	
	Materials and Services			Index	Acres Applied	Rate	Unit	Price	Total	Estimate								
	82-0-0	Fertilize	r	2	100%	230	lbs N	0.27	62.10	Estimate								
	Balance Flexx	Herbicio		4	100%	4	ounces	4.50	18.00									
	Bicep II Magnum	Herbicio		4	100%	2.1	quarts	12.50	26.25									
	10-34-0	Fertilize		5	100%	6	gallons	1.90	11.40									
	Corn SmartStax	Seed	1	5	95%	0.38	bag	350.00	124.69									
	Corn	Seed		5	5%	0.38	bag	175.00	3.28									
	Regent 4 SC	Insectic	ide	5	5%	4.16	ounces	5.90	1.23									
	*Spray	Custom		8	30.5%	1	acre	6.00	1.83									
	*Lorsban 15 G	Insectic		8	0.5%	5	pounds	2.35	0.06									
	*Brigade	Insectic		8	10%	5.12	ounces	1.20	0.61									
	*Mustang Max	Insectic		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 Service								\$342.70									
	*Insecticide for rootworm (refuge							bean cutwo										
	-								·									
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$536.80									
	Interest on Opera					% for 6 m	onths		\$18.48									
Total Operating and Use-Related Ownership Costs									\$555.29									
	1 0		r															
	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	rrigated						21.00									
	Real Estate Opportunity	Pivot (S	tate)	\$3,304 per	acre @ 4.	00%			\$132.16									
	Real Estate Taxes			\$3,304 per	acre @ 1.	00%			\$33.04									
	Total Cost per Acre Includi	ing Overl	nead						\$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

Times Labor @ Field S2					- 104	Rep	airs	Own	ership		
Anhydrous Apply		E' 110'				D	т.	D	т.	TT . 1	
Spray											Estimate
A	1	Anhydrous Apply	1	1.68	1.62	0.18		3.8/	3.07		
Hoc	2								0.25		
Spray	3										
Spray	4		-			0.01	0.02				
Protection 1	5			0.30	0.12	0.06	0.11	0.31	0.12	1.01	
Second Combine Combi	_	1 /									
Cart	7		9 AI				10.38				
10 Truck	8					4.66	4.18	18.23	3.50		
Total for Field Operations	9	Cart	220 bu	1.12	1.18	0.21	0.07	1.16	1.40	5.14	
Total for Field Operations	10		Custom								
Materials and Services	11	Dry Grain	Custom								
Materials and Services		Total for Field Operations		\$13.29	\$43.12	\$8.63	\$20.88	\$35.02	\$16.69	\$137.63	
Materials and Services						Percent	Appli	cation			
Materials and Services					Operation				Applied		Your
Second Fertilizer		Materials and Services					Rate	Unit		Total	
Bicep II Magnum			Fertilize	r							
Gramoxone Inteon Herbicide 2 100% 1.5 pints 4.75 7.13		Bicep II Magnum			2						
NIS		•						_			
10-34-0 Fertilizer 3 100% 6 gallons 1.90 11.40								•			
Corn Bt ECB Seed 3 80% 0.40 bag 225.00 72.00 Corn Seed 3 20% 0.40 bag 175.00 14.00 Spirit Herbicide 5 50% 1 ounce 13.00 6.50 Crop Oil Concentrate Herbicide 5 50% 2 pints 1.13 1.13 *Spray Custom 6 34% 1 acre 6.00 2.04 *Lorsban 15 G Insecticide 6 2% 5 pounds 2.35 0.24 *Brigade Insecticide 6 2% 2.5 ounces 1.20 0.06 *Brigade Insecticide 6 10% 5.12 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2.5 ounces 1.20 0.61 *Mustang Max Insecticide 6 20% 2 ounces 1.20 0.61 *Total O											
Corn Seed 3 20% 0.40 bag 175.00 14.00							0.40				
Spirit Herbicide 5 50% 1 ounce 13.00 6.50											
Crop Oil Concentrate Herbicide 5 50% 2 pints 1.13 1.13 *Spray Custom 6 34% 1 acre 6.00 2.04 *Lorsban 15 G Insecticide 6 2% 5 pounds 2.35 0.24 *Brigade Insecticide 6 2% 2.5 ounces 1.20 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% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 1st brood European corn borer (10% of refuge), spider mites and western bean cutworm, respectively. \$33.08 Total Operating Aud Use-Related O				de							
*Spray Custom 6 34% 1 acre 6.00 2.04 *Lorsban 15 G Insecticide 6 2% 5 pounds 2.35 0.24 *Brigade Insecticide 6 2% 2.5 ounces 1.20 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% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$33.04 per acre @ 1.00% \$2.76		<u>.</u>	-						•		
*Lorsban 15 G								i -			
*Brigade Insecticide 6 2% 2.5 ounces 1.20 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% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 \$393.70 Interest on Operating Capital \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$33.04 Total Cost per Acre Including Overhead \$607.58 Cost per Bushel \$2.76											
*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% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 [\$393.70] Interest on Operating Capital \$341.99 cash expense @ 8.00% for 6 months [\$13.68] Total Operating and Use-Related Ownership Costs [\$407.38] Overhead (accounting, liability insurance, vehicle cost, office expense) [\$5.00] Scouting [\$Corn - Irrigated] [\$9.00] Crop Insurance [\$Corn - Irrigated] [\$9.00] 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 [\$2.76]								T .			
*Mustang Max Insecticide 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 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$607.58 Cost per Bushel \$2.76			-								
Haul Grain bu Custom 10 100% 220 bushels 0.13 28.60 Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$33.04 Total Cost per Acre Including Overhead \$607.58 Cost per Bushel \$2.76			-					 			
Dry 4 Points Removed Custom 11 50% 220 bushels 0.30 33.00 Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge \$256.07 *Insecticide for 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 \$393.70 Interest on Operating Capital \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$607.58 Cost per Bushel \$2.76			-								
Total Materials and Services 32,000 seeds per acre, 80,000 seeds per bag, 20% refuge *Insecticide for 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 \$341.99 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 \$2.76			-								
*Insecticide for 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 \$341.99 cash expense @ 8.00% for 6 months \$13.68 Total Operating and Use-Related Ownership Costs \$407.38 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 \$607.58 Cost per Bushel \$2.76		-							0.00		
Interest on Operating Capital \$341.99 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 \$607.58 Cost per Bushel \$2.76									ectively.	7=20.07	<u> </u>
Interest on Operating Capital \$341.99 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 \$607.58 Cost per Bushel \$2.76		m . 11 . 1	2	13.5						ф2C2 = 2	
Total Operating and Use-Related Ownership Costs\$407.38Overhead (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\$607.58Cost per Bushel\$2.76							0/ 6 =	.1			
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\$607.58Cost per Bushel\$2.76			ise @ 8.00	% tor 6 m	onths						
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 \$607.58 Cost per Bushel \$2.76		Total Operating and Use-R	Related O	wnership (Costs					\$407.38	
Crop 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\$607.58Cost per Bushel\$2.76		Overhead (accounting, liab	ility 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\$607.58Cost per Bushel\$2.76										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 OverheadCost per Bushel\$2.76		Crop Insurance	Corn - I	rrigated						21.00	
Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$607.58Cost per Bushel\$2.76			Pivot (S	tate)	\$3,304 per	acre @ 4.	00%			\$132.16	
Total Cost per Acre Including Overhead\$607.58Cost per Bushel\$2.76					\$3,304 per	acre @ 1.0	00%			\$33.04	
Cost per Bushel \$2.76		Total Cost per Acre Including Overhead								\$607.58	

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

Times Labor @ Fuel @ \$2 Order Imp. Power Imp. Power Imp. Power Imp. Total Estimate			T:	I -1 @	E. 1 @ #2	Rep	airs	Own	ership		V
Spray		Field Operations				Power	Imp	Power	Imb	Total	
Spread manure	1										Limite
3 Anhydrous Apply			_	0.00	0.21	0.11	0.21	0.02	0.23	2.03	
Plant No-Till				1.60	1.60	0.10	0.02	2.05	2.05	11.00	
Hoe	_										
PivotD 125' Lifft 12 Al 5.00 44.53 3.92 13.83 10.79 8.27 86.35											
Total for Field Operations S9.82 \$47.70 \$4.68 \$19.98 \$18.02 \$13.74 \$113.94											
Chop Silage	_			5.00	44.53	3.92	13.83	10.79	8.27	86.35	
Naterials and Services											
Materials and Services	8	1 0	Custom	40.00	A 45 50		#10.00	#10.0 2	\$10.74	4112.04	
Materials and Services		Total for Field Operations	\$13.74	\$113.94							
Materials and Services						Percent	Appli	cation			
Materials and Services					Operation	Acres			Applied		Your
2,4-D Ester 4# Herbicide		Materials and Services	Total	Estimate							
Uncomposted manure											
Haul & Apply Manure Custom 2 100% 20 tons 2.00 40.00			Fertilize	r	2		20			120.00	
82-0-0 Fertilizer 3 100% 220 lbs N 0.27 59.40			Custom				20				
10-34-0 Fertilizer			Fertilize	r		100%	220	lbs N		59.40	
Bicep II Magnum		10-34-0	Fertilize	r	4	100%	6	gallons	1.90	11.40	
Corn		Bicep II Magnum	Herbicio	de	4	100%	1.4		12.50	17.50	
*Aerial Spray Custom 7 100% 1 acre 7.50 7.50 *Brigade Insecticide 7 10% 2.5 ounces 1.20 0.30 *Brigade Insecticide 7 10% 2.5 ounces 1.20 0.30 *Mustang Max Insecticide 7 5% 2 ounces 2.00 0.20 Chop, Haul, Pack Custom 8 100% 25 tons 6.00 150.00 Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag \$506.93 *506.93 *Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. *620.86 Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 Total Operating and Use-Related Ownership Costs \$644.43 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%			Seed		4	100%	0.42	_	175.00	73.28	
*Aerial Spray Custom 7 100% 1 acre 7.50 7.50 *Brigade Insecticide 7 10% 2.5 ounces 1.20 0.30 *Brigade Insecticide 7 10% 2.5 ounces 1.20 0.30 *Mustang Max Insecticide 7 5% 2 ounces 2.00 0.20 Chop, Haul, Pack Custom 8 100% 25 tons 6.00 150.00 Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag \$506.93 \$506.93 *Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. \$620.86 \$620.86 Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 \$644.43 Total Operating and Use-Related Ownership Costs \$644.43 Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00 Scouting Corn - Irrigated 9.00 Crop Insurance Corn - Irrigated 21.00 Real Estate Opportunity <td< td=""><td></td><td>*Regent 4 SC</td><td>Insectici</td><td>ide</td><td>4</td><td>100%</td><td>4.16</td><td>ounces</td><td>5.90</td><td>24.54</td><td></td></td<>		*Regent 4 SC	Insectici	ide	4	100%	4.16	ounces	5.90	24.54	
*Brigade Insecticide 7 10% 2.5 ounces 1.20 0.30 *Mustang Max Insecticide 7 5% 2 ounces 2.00 0.20 Chop, Haul, Pack Custom 8 100% 25 tons 6.00 150.00 Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag *Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 Total Operating and Use-Related Ownership Costs \$644.43 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 \$844.63 Cost per Ton \$33.79		*Aerial Spray	Custom		7	100%	1	acre	7.50	7.50	
*Mustang Max Insecticide 7 5% 2 ounces 2.00 0.20 Chop, Haul, Pack Custom 8 100% 25 tons 6.00 150.00 Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag *Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 Total Operating and Use-Related Ownership Costs \$644.43 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 \$844.63 Cost per Ton \$33.79		*Brigade	Insectici	ide	7	10%	2.5	ounces	1.20	0.30	
Chop, Haul, PackCustom8100%25tons6.00150.00Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag\$506.93*Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively.Total listed costs for Field Operations and Materials and Services\$620.86Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months\$23.56Total Operating and Use-Related Ownership Costs\$644.43Overhead (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\$844.63Cost per Ton\$33.79		*Brigade	Insectici	ide	7	10%	2.5	ounces	1.20	0.30	
Total Materials and Services 33,500 seeds per acre, 80,000 seeds per bag *Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs Scouting Isability insurance, vehicle cost, office expense) 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 Ton \$33.79		*Mustang Max	Insectici	ide	7	5%	2	ounces	2.00	0.20	
*Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively. Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 Total Operating and Use-Related Ownership Costs \$644.43 Overhead (accounting, liability insurance, vehicle cost, office expense) \$5.00 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 Ton \$33.79		Chop, Haul, Pack	Custom		8	100%	25	tons	6.00	150.00	
Total listed costs for Field Operations and Materials and Services Interest on Operating Capital \$589.11 cash expense @ 8.00% for 6 months \$23.56 Total Operating and Use-Related Ownership Costs \$644.43 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% Real Estate Taxes \$33.04 Total Cost per Acre Including Overhead Cost per Ton \$33.79		Total Materials and Service	es 33,500	seeds per a	acre, 80,000	seeds per	bag			\$506.93	
Interest on Operating Capital \$589.11 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 \$844.63 Cost per Ton \$33.79		*Insecticide for rootworm, 1st & 2	nd brood E	uropean cori	n borer western	bean cutwo	rm, respect	ively.			
Interest on Operating Capital \$589.11 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 \$844.63 Cost per Ton \$33.79		m . 111 . 1 C = 111		1						4.40.0.	
Total Operating and Use-Related Ownership Costs\$644.43Overhead (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\$844.63Cost per Ton\$33.79							0.4.6.				
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\$844.63Cost per Ton\$33.79						se @ 8.00	% for 6 m	onths			
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 \$844.63 Cost per Ton \$33.79		Total Operating and Use-Related Ownership Costs								\$644.43	
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 \$844.63 Cost per Ton \$33.79		Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Crop 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\$844.63Cost per Ton\$33.79						1	-				
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 OverheadCost per Ton\$33.79											
Real Estate Taxes\$3,304 per acre @ 1.00%\$33.04Total Cost per Acre Including Overhead\$844.63Cost per Ton\$33.79					\$3,304 per	acre @ 4	00%				
Total Cost per Acre Including Overhead\$844.63Cost per Ton\$33.79			11100 (0		 					ì	
Cost per Ton \$33.79			ng Overl	nead	yo,oor per						
			ing Over	ıcau							
Lugen Lost net 10ft		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

		m:	. 1 0	E 10 00	Rep	airs	Owne	ership		17
	F: 11 Oc	Times	Labor @	Fuel @ \$2	D	T6	D	T6	T-4-1	Your
1	Field Operations Field Cultivation	or Qty	\$12/Hr 0.62	and Lube 0.77	Power 0.07	<i>Imp.</i> 0.41	Power	Imp.	Total	Estimate
Ē		1					1.43	0.83	4.12	
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								
9	PivotE 125' Lift	8 AI	3.33	16.63	3.13	9.22	2.10	5.52	39.92	
10	1 /	Custom								
11		1	1.88	1.73	0.35	0.48	1.95	3.60	9.98	
12	7	1	2.78	3.37	3.93	0.15	15.36	2.91	28.49	
13	Truck	Custom								
14	Plant	1	2.20 \$19.32	0.91 \$29.13	0.41 \$9.19	4.07 \$21.89	2.28 \$38.04	2.14	12.01	
	Total for Field Operations	\$21.03	\$138.60							
		1 1: - 1		Your						
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Estimate
	10-34-0-1Z	Fertilize		3	100%	<i>Kate</i> 9	gallons	2.15	19.35	Estimate
		Herbicio		3	100%	1.33			21.61	
	Dual II Magnum Edible Beans	Seed	ile	4	100%	0.5	pints	16.25 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 acre	7.50	4.50	
	*Warrior II/Zeon	Insectici		10	60%	1.92		4.00	4.61	
	Haul Grain (Dry Beans)	Custom		13	100%	20	ounces cwts	0.20	4.00	
	Wheat	Seed		14	100%	30	pounds	0.20	3.90	
	Total Materials and Service		c connect :	1				0.13	\$122.72	
	*Insecticide for Mexican bean beet				5 @ \$7 Z/11	10 133 acı	<u>CS</u>		\$122.72	
	mocciciae for Mexicali Deali Deel	ic and west	ciii ocaii cult	WOIIII (1070).						
	Total listed costs for Field (Operation	ne and Ma	tarials and 9	Sarvicas				\$261.33	
						0/2 for 6 ==	onthe		\$8.09	
	Interest on Operating Capital \$202.25 cash expense @ 8.00% for 6 months Total Operating and Use-Related Ownership Costs									
	Iotal Operating and Use-R	erated O	wnership (osts					\$269.42	
	Overhead (accounting, liab	ility incu	rance vehi	cle cost offi	ce eynens	a)			5.00	
					ec expense					
	Scouting	Drybear							6.00	
	Crop Insurance	Drybear		l .					21.00	
	Real Estate Opportunity	Pivot (Pa	anhandle)	\$1,535 per					\$61.40	
	Real Estate Taxes			\$1,535 per	acre @ 1.0)0%			\$15.35	
	Total Cost per Acre Includi	ng 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

		Times	I alam @	F., 1 @ \$2	Rep	airs	Own	ership		Varia		
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Land	Power	Ітр.	Total	Your Estimate		
1	Disc Disc	1	1.21	1.52	0.13	<i>Imp.</i> 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 0.25	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	Custom	0.60	0.24	0.11	0.21	0.62	0.25	2.03			
8	Spray	Custom	1.00	2.00	2.67	0.02	10.42	2.52	21.22			
9	Combine Rainfed SG	1	1.89	3.00	2.67	0.83	10.42	2.52	21.32	<u> </u>		
10	Cart	90 bu	0.46	0.48	0.09	0.03	0.47	0.57	2.10			
11	Truck	Custom	ф11 1 г	φο ο ο	¢2.Ω4	Φ0. (0	φ20.20	φ11.C1	φ72.20			
	Total for Field Operations		\$11.15	\$9.82	\$3.94	\$8.68	\$28.20	\$11.61	\$73.39	<u> </u>		
	Operation Percent Application Applied											
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Your Estimate		
	82-0-0	Fertilize	r	2	100%	100	lbs N	0.27	27.00	Estimate		
	10-34-0	Fertilize		4	100%	6	gallons	1.90	11.40			
	Lumax	Herbicio		4	100%	2.5	quarts	17.50	43.75			
	Sorghum Safened/Insect	Seed		4	100%	4	pounds	2.00	8.00			
	Peak	Herbicio	de	7	100%	0.75	ounce	14.50	10.88			
	Crop Oil Concentrate	Herbicio		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	es 17,500	seeds per a	cre, 80,000	seeds per l	bag, 20%	refuge		\$117.29			
	*Treating greenbugs one year in 1			,	<u> </u>	- (/-						
										,		
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$190.69			
	Interest on Opera					% for 6 m	onths		\$6.04			
	Total Operating and Use-Related Ownership 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							21.00			
	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 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			
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	0.46	5.10	2.54	2.14	13.94			
4	Spray	Custom										
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										
	Total for Field Operations		\$6.47	\$5.34	\$3.45	\$6.47	\$16.41	\$6.86	\$45.00			
		<u> </u>				4 1.				<u> </u>		
ii	Operation Acres Application Applied Your											
	Operation Acres Applied Your Materials and Services Index Applied Rate Unit Price Total Estimate											
	Materials and Services			Estimate								
	Glyphosate w/Surf	Herbicio		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), chinchbuş	gs one in 15.									
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$123.16			
	Interest on Opera					% for 6 m	onthe		\$5.80			
	_				3c @ 0.00	/U 101 U II	10111113		\$173.95			
Total Operating and Use-Related Ownership Costs \$173.95									<u> </u>			
Overhead (accounting, liability insurance, vehicle cost, office expense) 5.00												
	Scouting	Grain S	orghum						21.00			
	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	acre @ 1.0	00%			\$14.41			
	Total Cost per Acre Includ	ing Overl	nead	-					\$278.00			
	Cost per Bushel								\$2.53			
l	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
	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Estimate
4		_								
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	
-	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
5	Spray	Custom								
5	Combine Irr SG	1	1.80	2.86	2.55	0.75	9.95	2.52	20.43	
_	Cart	100 bu	0.51	0.54	0.10	0.03	0.53	0.64	2.34	
Ц	Truck	Custom								
	Total for Field Operations		\$6.04	\$5.90	\$3.18	\$4.51	\$16.78	\$6.03	\$42.43	
7		Ī			D (Appli	cation			
				054:	Percent	Арри	cation	1 1: . 1		V-
	M . 1 10 1			Operation Index	Acres Applied	Rate	Unit	Applied	T . 1	Your
ŀ	Materials and Services	Price	Total	Estimate						
ŀ	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	Herbicio		2	100%	1	quart	6.00	6.00	
-	Gramoxone Inteon	Herbicio		2	100%	1.5	pints	4.75	7.13	
ļ	28-0-0	Fertilize		3	100%	110	lbs N	0.32	35.20	
	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	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 Service								\$132.84	
	*Treating greenbugs one year in 10), chinchbuş	gs one in 15.							
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services				\$175.28	
	Interest on Opera	ital \$152.4	7 cash expen	se @ 8.00	% for 6 n	nonths		\$6.10		
Ì	Total Operating and Use-R						\$181.37			
_	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Ī	Scouting	Grain So	orghum						6.00	
-	Crop Insurance	Grain S	orghum						21.00	
	Real Estate Opportunity	Rainfed	(State)	\$1,441 per	acre @ 4.0	00%			\$57.64	
Ī	Real Estate Taxes		,	\$1,441 per					\$14.41	
ŀ	Total Cost per Acre Includ	ing Overl	nead						\$285.42	
Ì	Cost per Bushel								\$2.85	
ŀ	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	Limite
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	0.11	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 1252 Life	Custom	2.50	22.27	1.06	6.02	5.20	4.14	42.17	
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	***	***	h= 4.5	***	***	***	40.4.00	
	Total for Field Operations		\$10.12	\$28.92	\$5.46	\$13.02	\$23.49	\$13.27	\$94.29	
					Percent	Appli	cation			
		Applied		Your						
	Materials and Services	Price	Total	Estimate						
	Glyphosate w/Surf	ounces	0.16	5.00						
	21-0-0-26S	Fertilize	r	1	100%	2	lbs N	0.53	1.06	
	82-0-0	lbs N	0.27	43.20						
İ	Lumax	Herbicio	de	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		9	100%	145	bushels	0.13	18.85	
	Total Materials and Service	es							\$133.57	
	*Treating greenbugs one year in 1	0, chinchbu	gs one in 15.							
	Total listed costs for Field								\$227.86	
	Interest on Opera				ise @ 8.00	% for 6 n	onths		\$7.64 \$235.50	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liab	aility incu	rance vohi	cle cost off	ca avnance	a)			5.00	
		 								
	Scouting	Grain S							6.00	
	Crop Insurance	Grain S							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 Includ	ing Overl	nead						\$432.70	
	Cost per Bushel		\$2.98 \$1.56							
	Cash Cost per Bushel									

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

		Times	Labor @	F. 1 @ \$2	Rep	airs	Own	ership		V	
	Ei-11 Or anations			Fuel @ \$2	D	T	D	T	T-+-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		
			1								
					Percent	Appli	cation				
Operation Acres Applied Materials and Services Index Applied Rate Unit Price Total E											
	Materials and Services	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		
										T .	
	Total listed costs for Field								\$121.52		
	Interest on Opera				se @ 8.00	% for 6 m	nonths		\$4.16		
	Total Operating and Use-R	Related O	wnership (Costs					\$125.68		
		.1.		1 22		`			5.00	ı	
Overhead (accounting, liability insurance, vehicle cost, office expense)											
	Scouting	None							0.00		
	Crop Insurance	None		· ·					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 Including Overhead \$295.88										

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

		Times	I -1	Fuel @ \$2	Rep	airs	Owne	ership		V
	Field Operations	or Qty	Labor @ \$12/Hr	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
1	-	_								
2	Swath/Cond Hay	1	1.49	1.24	2.14	0.00	1.55	0.00	6.42	
3	Lg Rd Bale	2.2 ton	2.18	0.95	0.41	2.15	2.26	2.52	10.47	
4	Move Lg Rd	2.2 ton	2.40	1.44	0.45	0.00	2.48	0.97	7.74	
	Total for Field Operations		\$7.01	\$4.25	\$3.19	\$2.15	\$7.37	\$3.49	\$27.46	
				06	Percent Acres	Appli	Lation	1 1: - 1		Your
	Materials and Services			Operation Index		Data	Unit	Applied Price	Total	tour Estimate
	46-0-0	Fertilize		1 maex	Applied 100%	Rate 40	lbs N	0.43	17.20	Estimate
	11-52-0	Fertilize		_	100%			0.43	3.30	
		Other	r	3		2.7	pounds			
	Twine Lg Rd Total Materials and Service			3	100%	2.7	bales	0.70	1.89	
	Total Materials and Service	es							\$22.39	
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$49.85	
	Interest on Opera					6 for 6 m	onths		\$1.56	
	Total Operating and Use-R	<u> </u>			Se C 0.007	0 101 0 111			\$51.41	
	Total Operating and Ose-N	ciated O	whership						φ31.41	
	Overhead (accounting, liab	oility insu	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					\$14.41	
	Total Cost per Acre Includi	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	Repairs		Ownership			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	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	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
5	Truck	Custom								
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 Application									
				Operation	Acres	дрри	Lation	Applied		Your
	Materials and Services			Index	Acres Applied	Rate	Unit	Applied Price	Total	Estimate
	28-0-0	Fertilize	10	1 1 1	100%	100	lbs N	0.32	32.00	Estimate
	Oats	Seed	1	2	100%	2	bushels	8.00	16.00	
	10-34-0	Fertilize	r	2	100%	6	gallons	1.90	11.40	
	Aim EW	Herbicide		3	100%	0.5	ounce	7.20	3.60	
	2,4-D Ester 4#	Herbicide		3	100%	0.5	pint	2.50	1.25	
	NIS	Herbicide		3	100%	6	ounces	0.17	1.02	
	Haul Grain bu	Custom		5	100%	80	bushels	0.17	10.40	
	Twine Lg Rd	Other		6	100%	2	bales	0.70	1.40	
	Total Materials and Service									
	'Insecticides for 1st & 2nd brood European corn borer (10% of refuge), spider mites, and western bean cutworm, respecti								\$77.07 velv.	<u> </u>
	Total listed costs for Field Operations and Materials and Services								\$133.07	
	Interest on Operating Capital \$101.79 cash expense @ 8.00% for 6 months								\$4.07	
	Total Operating and Use-Related Ownership Costs								\$137.14	
	Total Operating and Ose-Related Ownership Costs									
	Overhead (accounting, liability insurance, vehicle cost, office expense)								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								\$214.19	
	Cost per Bushel								\$2.68	
	Cash Cost per Bushel									

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

	77.	110	F 100 00	Rep	airs	Own	ership		77
Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
PivotD 125' Lift	18 AI	7.50	66.80	5.88	20.75	16.18	1 <i>mp</i> .	129.52	Estimate
Total for Field Operations	i	\$7.50	\$66.80	\$5.88	\$20.75	\$16.18	\$12.41	\$129.52	
	<u> </u>		l	Percent	Appli	cation			l .
			Operation	Acres	Прри		Applied		Your
Materials and Services			Index	Acres Applied	Rate	Unit	Price	Total	Estimate
28-0-0	Fertilize	er	1	100%	220	lbs N	0.32	70.40	Dominate
Fence/Water Repairs	Other	<u>-</u>	_	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 Service	es		•					\$86.40	
									·
Total listed costs for Field								\$215.92	
Interest on Oper	ating Cap	ital \$187.3	3 cash exper	nse @ 8.00	% for 6 r	nonths		\$7.49	
Total Operating and Use-l	Related O	wnership (Costs					\$223.41	
01/1:-1	- :1:4 :		-1 CC		-)			F 00	<u> </u>
Overhead (accounting, lial	omity msu	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
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Limin
2	Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	
3	Rod Weeder	1	0.62	0.81	0.07	0.20	2.30	1.31	5.74	
4	Spray Liquid Fertilizer	1	0.91		0.11	0.30	2.25	1.26	5.13	
5	Drill	1		0.25					8.60	
_		1	1.80 0.60	1.36 0.24	0.34	1.80	1.86 0.62	1.44 0.25	2.03	
6	Spray	+			0.11	0.21		•		
7	Windrow Grain	1	1.26	0.69	1.81	0.00	1.32	0.00	5.08	
8	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
9	Truck	Custom								
	Total for Field Operations		\$8.66	\$7.39	\$5.32	\$3.75	\$20.83	\$8.41	\$54.35	
		1			Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	21-0-0-26S	Fertilize	r	1	100%	2	lbs N	0.53	1.06	Estimitie
	28-0-0	Fertilize		4	100%	45	lbs N	0.32	14.40	
	Millet	Seed		5	100%	12	pounds	0.60	7.20	
	2,4-D Amine	Herbicio	de	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 Servic	es 150,000) seeding r	ate					\$33.78	
			8							
	Total listed costs for Field	Operation	ns and Ma	terials and S	Services		,		\$88.13	
	Interest on Opera	ating Cap	ital \$58.89	cash expens	e @ 8.00%	for 6 m	onths		\$2.36	
	Total Operating and Use-F								\$90.48	
	Overhead (accounting, liab	oility insu	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					\$14.41	
	Total Cost per Acre Includ	ing Overl	nead	1					\$167.53	
	Cost per cwt	-0 • • •							\$7.62	
	Cash Cost per cwt								\$2.78	

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

		Times	Labor @	F. 1 @ \$2	Rep	airs	Own	ership		V
	Field Operations		\$12/Hr	Fuel @ \$2 and Lube	Power	Luck	Power	Luch	Total	Your Estimate
1	Disc	or Qty	1.21	1.52	0.13	<i>Imp.</i> 1.29	2.78	<i>Imp.</i> 1.26	8.19	Estimate
1		1								
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	
		I				4 1.			ı	I
					Percent	Арри	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 Servic	es							\$22.88	
	Total listed costs for Field								\$82.68	
	Interest on Opera	ating Cap	ital \$55.67	cash expens	e @ 8.00%	for 6 m	onths		\$2.23	
	Total Operating and Use-F	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	None							0.00	
	Real Estate Opportunity	Rainfed	(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 Includ	ing Overl	nead						\$161.95	
	Cost per Ton								\$49.08	
	Cash Cost per Ton								\$17.54	

2010 Budget 32. Soybeans, Tilled Seedbed, Roundup Ready $^{\rm B}$ (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	
		1			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	de	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	Insectic	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	Operatio	ns and Ma	terials and S	Services				\$135.38	
	Interest on Opera					00% for	6 months		\$4.30	
	Total Operating and Use-R								\$139.68	
			_							
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting		ıs - Rainfeo						6.00	
	Crop Insurance		ıs - Rainfed	1					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 Includ	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 10 to	Rep	airs	Own	ership		
Field Operations	Times	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Luck	Power	Luch	Total	Your Estimate
Field Operations 1 Spray	or Qty	0.60	0.24	0.11	<i>Imp.</i> 0.21	0.62	<i>Imp.</i> 0.25	2.03	Estimate
	ļ-								
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 Operation	s	\$5.99	\$5.46	\$3.99	\$6.89	\$16.71	\$5.15	\$44.19	
	T		l	- I	A 1°				
				Percent	Арри	cation	4 1. 1		***
10			Operation	Acres	ъ.		Applied	m . 1	Your
Materials and Services	** 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
Pursuit Plus	Herbici	de	1	100%	1.67	pints	7.88	13.15	
RR Soybeans	Seed		2	100%	1	bag	43.00	43.00	
Glyphosate w/Surf	Herbici		3	100%	32	ounces	0.16	5.00	
21-0-0-268	Fertilize		3	100%	2	lbs N	0.53	1.06	
Aerial Spray	Custom		4	20%	1	acre	7.50	1.50	
Warrior II/Zeon	Insectic		4	20%	3.2	ounces	4.00	2.56	
Haul Grain bu	Custom		6	100%	42	bushels	0.13	5.46	
Total Materials and Servi	ces							\$71.73	
T- 44 4 - 4									Г
Total listed costs for Field								\$115.92	
Interest on Oper				se @ 8.009	6 for 6 m	onths		\$3.76	
Total Operating and Use-	Related O	wnership (Costs					\$119.69	
Overhead (accounting, lia	bility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
Scouting	Soybear	ns - Rainfe	1					6.00	
Crop Insurance		ns - Rainfeo						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 Inclu	ding 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

				T 10 40	Rep	airs	Own	ership		
	E: 11 Oc	Times	Labor @ \$12/Hr	Fuel @ \$2	D	T6	D	T6	T-4-1	Your Estimate
1	Field Operations	or Qty	0.60	and Lube 0.24	Power 0.11	<i>Imp.</i> 0.21	<i>Power</i> 0.62	<i>Imp.</i> 0.25	Total 2.03	Estimate
	Spray									
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	
		<u> </u>				A = = 1:	4:	l		
					Percent	Арри	cation	4 1. 1		**
	10			Operation	Acres	ъ.		Applied	m . 1	Your
	Materials and Services	** 1	1	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		3	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		4	20%	1	acre	7.50	1.50	
	Warrior II/Zeon	Insectic		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	
			13.6						***	
	Total listed costs for Field					_			\$115.40	
	Interest on Opera				e @ 8.00%	for 6 m	onths		\$3.74	
	Total Operating and Use-R	Related O	wnership (Costs					\$119.15	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Soybear	ıs - Rainfe	1			,		6.00	
	Crop Insurance		ıs - Rainfe						11.00	
	Real Estate Opportunity	Rainfed		\$1,441 per	acre @ 4.	00%			\$57.64	
	Real Estate Taxes		. /	\$1,441 per					\$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						4.12	
	i	1		0.77 0.24	0.07	0.41	1.43 0.62	0.83	2.03	-
3	Spray Plant	1	0.60 2.20	0.24	0.11	0.21 4.07	2.28	0.25 2.14	12.01	
5	PivotD 125'Lift	9 AI	3.75	33.40	2.94	10.38	8.09	6.21	64.76	
6	Spray	1 1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
7	Spray	Custom	0.00	0.24	0.11	0.21	0.02	0.23	2.03	1
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	\$11.18	\$40.58	\$6.88	\$17.76	\$27.98	\$13.43	\$117.81	
	1 Total for Field Operations		Ψ11.10	Ψ10.50	Ψ0.00	Ψ17.70	Ψ27.70	Ψ10,10	Ψ117.01	
					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	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	de	6	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	6	100%	2	lbs N	0.53	1.06	
	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 Servic	es							\$88.50	<u> </u>
	T-4-11:-4-1 - 4 C P: 11	0		4	`•				¢206.21	T
	Total listed costs for Field					0/ 6- 6	41.		\$206.31	
	Interest on Opera				se @ 8.00	% ior 6 m	iontns		\$6.60	
	Total Operating and Use-F	Related O	wnership (Costs					\$212.90	l .
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Soybean	ıs - Irrigate	ed					\$8.75	
	Crop Insurance		ıs - Irrigate						\$21.00	İ
	Real Estate Opportunity	Pivot (S		\$3,304 per	acre @ 4.	00%			\$132.16	İ
	Real Estate Taxes	ì	,	\$3,304 per					\$33.04	1
	Total Cost per Acre Includ	ing Overl	nead						\$412.85	
	Cost per Bushel								\$6.88	1
	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	Estimite
2	Ridge Plant	1	2.46	1.27	0.26	5.15	5.66	2.19	16.99	
3	Ridge Cultivation	1	2.40	1.78	0.20	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	0.50	0.12	0.00	0.11	0.01	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			5,11	1110	12,110	2.02	21107	
	Total for Field Operations		\$23.56	\$41.00	\$7.50	\$11.18	\$31.94	\$11.31	\$126.49	
	•									
					Percent	Appli	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	
	Select Max	Herbicio		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		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 . m 11 .	<u> </u>	12.5						440045	Т
	Total listed costs for Field					01.6	.1		\$193.15	
	Interest on Opera				nse @ 8.00	% tor 6 r	nonths		\$6.00	
	Total Operating and Use-R	Related O	wnership (Costs					\$199.15	
	Overhead (accounting, liab	ility incu	ranca wahi	cla cost offi	co ovnonce	2)			5.00	Т
					e expense					
	Scouting		ıs - Irrigate						8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Gravity	(State)	\$3,109 per					\$124.36	
	Real Estate Taxes			\$3,109 per	acre @ 1.0	00%			\$31.09	
	Total Cost per Acre Includi	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	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	Estimate
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	
		ı		I		. 11				
					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%	1.7	lbs N	0.53	0.90	
	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 H2O	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							\$89.51	
	Total listed costs for Field)		4	· · · · · · · · · · · · · · · · · · ·				\$181.96	
						0/ 6 6				
	Interest on Opera				ise @ 8.00	% for 6 m	ionths		\$6.00	
	Total Operating and Use-R	elated O	wnership (Costs					\$187.96	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting		ıs - Irrigate						8.75	
	Crop Insurance	Soybear	ıs - Irrigate	ed					21.00	
	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 Includi	ng Overl	nead						\$387.91	
	Cost per Bushel								\$6.16	
	Cash Cost per Bushel								\$2.95	

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

		T.	1.1.0	F 10 #2	Rep	airs	Own	ership		T/
	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
	_ ·	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	2.50	22.25	1.06		5.00	4.1.4	40.15	
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	40.44	40= 40	h= 0=	h.=	***	40.44	402.4	
	Total for Field Operations		\$9.41	\$27.62	\$5.95	\$17.63	\$22.43	\$9.41	\$92.45	
					Percent	Appli	cation			
				Operation	Acres	210011		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	le	1	100%	32	ounces	0.16	5.00	Limite
	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.10	1.06	
	RR Soybeans	Seed	1	2	100%	1.1	bags	43.00	47.30	
	Pursuit Plus	Herbicio	le	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								\$88.89	
									·	
	Total listed costs for Field								\$181.34	
	Interest on Opera	ating Cap	ital \$149.5	0 cash expe	nse @ 8.00)% for 6 r	nonths		\$5.98	
	Total Operating and Use-R	Related O	wnership (Costs					\$187.32	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting	Soybear	ıs - Irrigate	ed					8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Pivot (S		\$3,304 per	acre @ 4.0	00%			\$132.16	
	Real Estate Taxes			\$3,304 per					\$33.04	
	Total Cost per Acre Includi	ing Overl	nead						\$387.27	
	Cost per Bushel								\$6.79	
	Cash Cost per Bushel								\$3.25	

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

		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	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Limine
	- ,									
2	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
3	Spray	0.5	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
5	Spray	Custom	0.30	0.12	0.06	0.11	0.31	0.12	1.01	
6	Spray 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	2,20	3.30	3.11	1.10	12.10	2.32	24.07	
0	Total for Field Operations	Custom	\$8.13	\$28.14	\$5.56	\$11.72	\$23.54	\$9.41	\$86.50	
	Total for Field Operations		φο.13	\$20.14	\$5.50	\$11.72	\$43.34	\$7.41	J \$60.50	
					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	
	21-0-0-26S	Fertilize	r	1	100%	2	lbs N	0.53	1.06	
İ	RR Soybeans	Seed		2	100%	1.1	bags	43.00	47.30	
İ	Authority First	Herbicio	de	3	100%	3.5	ounces	4.40	15.40	
	Prowl H,O	Herbicio	de	3	100%	1.5	pints	5.25	7.88	
	Glyphosate w/Surf	Herbicio	de	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 -		12.5							<u> </u>
	Total listed costs for Field					2016 5			\$178.41	
	Interest on Opera				nse @ 8.00)% tor 6 r	nonths		\$5.82	
	Total Operating and Use-R	elated O	wnership (Costs		,	,		\$184.23	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	Scouting		ıs - Irrigate		1				8.75	
	Crop Insurance		ıs - Irrigate						21.00	
	Real Estate Opportunity	Pivot (S		\$3,304 per	acre @ 4.	00%			\$132.16	
	Real Estate Taxes	(0	- /	\$3,304 per					\$33.04	
	Total Cost per Acre Includi	ng Overl	nead						\$384.18	
	Cost per Bushel	0							\$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	Labor @	Eurl @ #2	Rep	airs	Own	ership		Varia
	Field Operations	Times or Qty	\$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Disc Disc	1	1.21	1.52	0.13	1.29	2.78	1.26	8.19	Estimate
_		+								
2_	Spray Liquid Fertilizer	1 Custom	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
3	Spray Till Plant Beets	+	1 0 4	2.54	0.10	0.02	4.22	0.01	10.65	
<u>4</u> 5		1	1.84	2.54	0.19	0.93	4.23	8.91	18.65	
-	Hoe	1	0.90	0.50	0.10	0.17	2.07	0.13	3.86	<u> </u>
5_	Row Crop Cultivation	1	2.00	1.02	0.23	0.81	5.06	0.79	9.91	
7_	Hill/Ditch	1	2.03	1.64	0.38	0.51	2.10	0.59	7.25	
3	Spray	Custom	20.00						20.00	
)	Ditch Irrigation	20 AI	38.89						38.89	
0	Spray	Custom								
1	Spray	Custom								
2	Top Beets	1	2.07	1.36	0.24	1.19	5.25	4.17	14.27	
3		1	2.58	2.42	0.27	9.33	5.94	7.51	28.05	
4	Truck	Custom								
5		1	1.45	2.00	0.17	0.34	3.68	1.22	8.87	
	Total For Field Operation	s	\$53.96	\$13.25	\$1.82	\$14.85	\$33.37	\$25.83	\$143.09	
						A 1*				
					Percent	Appli	cation			
				Operation	Acres			Applied	_	Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize		2	100%	13.4	gallons	1.90	25.46	
	28-0-0	Fertilize	r	2	100%	105	lbs N	0.32	33.60	
	Spray	Custom		3, 8, 10	300%	1	acre	6.00	18.00	
	Glyphosate w/Surf	Herbicio	de	3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	er	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	Herbicio	de	8	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	8	100%	2	lbs N	0.53	1.06	
	Water Charge	Other		9	100%	1	acre	35.00	35.00	
	Glyphosate w/Surf	Herbicio	de	10	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		10	100%	2	lbs N	0.53	1.06	
	Aerial Spray	Custom		11	100%	1	acre	7.50	7.50	
	Headline	Fungicio		11	100%	5	ounces	3.00	15.00	
	Haul Beets	Custom		14	100%		tons	3.00	69.00	
	Total Materials and Service				/0		1		\$351.74	
									4002171	
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$494.83	
	Interest on Oper					% for 6 m	onths		\$17.42	
	Total Operating and Use-						-		\$512.25	
	20th Operating and ode			23040					Ψ512.25	
	Overhead (accounting, lia	bility insu	rance, vehi	cle cost, offi	ce expens	e)			5.00	
	Scouting	Sugar B	eets						6.00	
	Crop Insurance	Sugar B							30.00	
	Real Estate Opportunity		anhandle)	\$1,535 per	acre @ 4	00%			\$61.40	
	Real Estate Taxes	22.00(10		\$1,535 per					\$15.35	
	Total Cost per Acre Includ	ling Overl	nead	41,000 per					\$630.00	
	Cost per Bushel	mig Over1	ıcau						\$27.39	
	Cash Cost per Bushel								\$21.26	<u> </u>

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	Littute
2	Spray Liquid Fertilizer	1	0.98	0.25	0.10	0.29	2.25	1.26	5.13	
3	Spray	Custom	0.70	0.23	0.10	0.27	2,23	1,20	3.13	
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								ĺ
9	Spray	Custom								ĺ
10	Top Beets	1	2.07	1.36	0.24	1.19	5.25	4.17	14.27	ĺ
11	Lift Beets	1	2.58	2.42	0.27	9.33	5.94	7.51	28.05	ĺ
12	Truck	Custom								
13	I .	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			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize		2	100%	13.4	gallons	1.90	25.46	
	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	Herbicio		3	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize	r	3	100%	2	lbs N	0.53	1.06	
	Sugar Beets RR Poncho	Seed	1	4	100%	1	acre	130.00	130.00	
	Glyphosate w/Surf	Herbici		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	Herbicie		8	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		8	100%	2	lbs N	0.53	1.06	1
	Aerial Spray	Custom		9	100%	1	acre	7.50	7.50	1
	Headline	Fungici		9	100%	5	ounces	3.00	15.00	1
	Haul Beets Total Materials and Service	Custom		12	100%	23	tons	3.00	69.00	
	Total Materials and Service	es							\$316.74	l
	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-I								\$542.76	
	Overhead (accounting, liability insurance, vehicle cost, office expense)									
	Scouting				6.00					
	Crop Insurance	Sugar B	eets						30.00	
	Real Estate Opportunity	Pivot (Pa	anhandle)	\$1,535 per	acre @ 4.0	00%			\$61.40	
	Real Estate Taxes		<u> </u>	\$1,535 per	acre @ 1.0	00%			\$15.35	
	Total Cost per Acre Includ	ing Overl	nead						\$660.51	
	Cost per Ton								\$28.72	
	Cash Cost per Ton								\$21.70	

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

I		Times Labor @		Fuel @ \$2	Rep	airs	Own	ership		Varin
	Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
\dagger	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	Estimate
1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
+	Plant No-Till	1	2.45			5.10	2.54	2.14	13.94	
-		0.55	0.33	1.26	0.46	0.12	0.34	0.13	1.12	
+	Spray Combine Rainfed			0.13	0.06					
	Sunflowers	1	1.89	3.00	2.67	0.18	10.42	8.74	26.90	
╛	Truck	Custom								
	Total for Field Operations		\$5.87	\$4.87	\$3.41	\$5.82	\$14.54	\$11.51	\$46.02	
Т					Damasust	Appli	cation			
				05	Percent	Арри	Lanon	1 1: - 1		V
	M 1 10 .			Operation	Acres	D (77 .,	Applied	T . 1	Your
ŀ	Materials and Services	TT 1	1	Index	Applied	Rate	Unit	Price	Total	Estimate
ŀ	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.16	5.00	
ŀ	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.53	1.06	
ļ	Prowl H ₂ O	Herbicio		1	100%	3	pints	5.25	15.75	
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	
	Prowl H ₂ O	Herbicio	de	2	100%	16	pints	5.25	84.00	
	Sunflower	Seed		3	100%	5	pounds	3.90	19.50	
	*Aerial Spray	Custom		4	55%	1	acre	7.50	4.13	
	*Warrior II/Zeon	Insectic	ide	4	55%	3.84	ounces	4.00	8.45	
	Haul Grain (Sunflower)	Custom		6	100%	13	cwts	0.25	3.25	
Ī	Total Materials and Service	es					•		\$180.16	
Ī	*Insecticide for seed weevil and su	nflower mo	th.							
										ı
ļ	Total listed costs for Field								\$226.18	
	Interest on Opera				nse @ 8.00	% for 6 r	nonths		\$8.01	
	Total Operating and Use-R	elated O	wnership (Costs					\$234.18	
Т	Overhead (accounting, liab	ility inou	ranca wahi	ala cost offi	co ovrnono	2)			5.00	<u> </u>
ļ			i alice, veill	cic cost, olli		-)				
ļ	Scouting	None							0.00	
ļ	Crop Insurance	None								
	Real Estate Opportunity	Rainfed Panhan		\$464 per ac	cre @ 4.00	%			\$18.56	
Real Estate Taxes \$464 per acre @ 1.00%									\$4.64	
ľ	Total Cost per Acre Includi	ng Overl	nead	-					\$262.38	
ľ	Cost per cwt								\$20.18	
	Cash Cost per cwt								\$16.01	

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

			T 1 0	F 1@ #2	Repairs		Ownership			***
	Field Operations	Times	Labor @	Fuel @ \$2	Dannan	Luck	Power	Luch	Total	Your
1	Field Operations	or Qty	\$12/Hr 0.60	and Lube 0.24	<i>Power</i> 0.11	<i>Imp.</i> 0.21	0.62	<i>Imp.</i> 0.25	Total 2.03	Estimate
	Spray									
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	Plant No-Till	1	2.45	1.26	0.46	5.10	2.54	2.14	13.94	
6	Spray	Custom								
7	Combine Rainfed	1	1.89	3.00	2.67	0.18	10.42	8.74	26.90	
	Sunflowers									
8	Truck	Custom								
	Total for Field Operations		\$6.74	\$5.22	\$3.58	\$6.13	\$15.44	\$11.86	\$48.96	
					Percent	Appli	cation			
				Operation	Acres	11777		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Landmaster BW	Herbicio	le	1	100%	54	ounces	0.16	8.44	2300110000
	21-0-0-26S	Fertilize		1	100%	2	lbs N	0.10	1.06	
	Glyphosate w/Surf	Herbicio		2	100%	32	ounces	0.16	5.00	
	21-0-0-26S	Fertilize		2	100%	2	lbs N	0.10	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	
	Prowl H ₂ O	Herbicio		3	100%	3	pints	5.25	15.75	
	28-0-0	Fertilize		3	100%	60	lbs N	0.32	19.20	
	Spartan 4F	Herbicio		4	100%	5	ounces	4.00	20.00	
	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	
	Prowl H ₂ O	Herbicio		4	100%	16	pints	5.25	84.00	
	Sunflower	Seed		5	100%	5	pounds	3.90	19.50	
	*Aerial Spray	Custom		6	55%	1	acre	7.50	4.13	
	*Warrior II/Zeon	Insectici	ide	6	55%	3.84	ounces	4.00	8.45	
	Haul Grain (Sunflower)	Custom		8	100%	16	cwts	0.25	4.00	
	Total Materials and Service	es							\$126.17	
	*Insecticide for seed weevil and su	nflower mo	th.							
	Total listed costs for Field								\$175.13	
	Interest on Opera				nse @ 8.00	% for 6 n	nonths		\$5.91	
	Total Operating and Use-R	elated O	wnership (Costs					\$181.04	
	Overhead (accounting, liab	ility incu	rance vehi	cle cost offi	ce evnens	2)			5.00	
		 	ance, veill			-1			0.00	
	Scouting None									
	Crop Insurance	None		¢464	@ 4.00	0/			0.00	
	Real Estate Opportunity	Rainfed (Panhan		\$464 per ac	cre @ 4.00	%			\$18.56	
	Real Estate Taxes	(2 01111011	/	\$464 per a	cre @ 1.00)%			\$4.64	
	Total Cost per Acre Includi	ing Overl	nead		,				\$209.24	
	Cost per cwt								\$13.08	
	Cash Cost per cwt								\$9.61	

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

		Times Labor @ Fuel @ \$2 Repairs Ownership			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	Littlitte
${}^{-}$	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	0.23	2.03	
	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
	Truck	Custom								
,	Total for Field Operations		\$4.42	\$5.01	\$2.98	\$4.05	\$15.48	\$4.64	\$36.57	
		ı								
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
1	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
_	10-34-0	Fertilize	r	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		2	100%	0.5	pint	2.50	1.25	
	NIS	Herbicide		2	100%	6	ounces	0.17	1.02	
_	*Aerial Spray	Custom		3	15%	1	acre	7.50	1.13	
_	*Lorsban 4 E	Insectic		3	10%	1.5	pints	5.25	0.79	
_	*Warrior II/Zeon	Insectic		3	5%	1.92	ounces	4.00	0.38	
_	Haul Grain bu	Custom		5	100%	35	bushels	0.13	4.55	
	Total Materials and Service								\$57.62	
,	*Insecticide for Russian wheat aph	id and arm	y cutworm.							
,	Total listed costs for Field (Operatio	ns and Ma	terials and S	Services				\$94.18	
	Interest on Opera					for 6 mc	onths		\$2.96	
,	Total Operating and Use-R								\$97.15	
+	Total operating and court		·····						427,120	
(Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
_	Scouting	Wheat							6.00	
	Crop Insurance	Wheat							6.00	
	Real Estate Opportunity	Rainfed (Panhar		\$464 per a	cre @ 4.00)%			\$18.56	
	Real Estate Taxes \$464 per acre @ 1.00%								\$4.64	
,	Total Cost per Acre Includi	ng Overl	nead						\$139.35	
	Cost per Bushel	<u> </u>							\$3.98	
_	Cash Cost per Bushel								\$2.60	

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

		Times Labor @ Fuel @			Rep	airs	Ownership			Varm
	Field Operations	or Qty	\$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Fallow Master	1	0.62	0.81	0.07	0.20	1.43	1.65	4.77	Estimate
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	0.02	0.81	0.07	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	0.00	0.24	0.11	0.21	0.02	0.23	2.03	
10	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
11	Truck	Custom	1.07	2.77	2.07	0.71	10.12	2,23	20.70	
11	Total for Field Operations	1	\$8.16	\$8.64	\$3.55	\$4.04	\$22.25	\$12.15	\$58.79	
	Total for Field Operations		ψ0.10	Ψ0.01	Ψ3.33	Ψ1.01	Ψ22.23	Ψ12.13	[ψ30.77	ļ
	Operation Percent Application 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	
	10-34-0	Fertilize		7	100%	8	gallons	1.90	15.20	
	Wheat	Seed		7	100%	60	pounds	0.13	7.80	
	2,4-D Ester 4#	Herbici	de	8	100%	0.5	pint	2.50	1.25	
	Ally Extra	Herbicie		8	100%	0.3	ounce	8.00	2.40	
	NIS	Herbici		8	100%	6	ounces	0.17	1.02	
	*Aerial Spray	Custom		9	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insectic		9	10%	1.5	pints	5.25	0.79	
	*Warrior II/Zeon	Insectic		9	5%	1.92	ounces	4.00	0.38	
	Haul Grain bu	Custom		11	100%	45	bushels	0.13	5.85	
	Total Materials and Servic			l					\$55.02	
	*Insecticide for Russian wheat apl		y cutworm.						· · · · · · · · · · · · · · · · · · ·	
	Total listed costs for Field	Operatio	ns and Ma	terials and S	Services				\$113.81	
	Interest on Opera	ating Cap	ital \$79.41	cash expens	e @ 8.00%	for 6 mo	onths		\$3.18	
	Total Operating and Use-F	Related O	wnership (Costs					\$116.99	
	1									
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			5.00	
	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	(2 4111141			\$4.64					
	Total Cost per Acre Includ	ing Overl	nead	\$159.19						
	Cost per Bushel	ing Over	ıcuu						\$3.54	
	Cash Cost per Bushel								\$2.15	
	Cash Cost per Dustier								Ψ2.13	<u> </u>

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

		Times Labor @			Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$12/Hr	Fuel @ \$2 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	Limme
2	Field Cultivation	1	0.62	0.77	0.07	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	
					Percent	Appli	cation			
		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	2011111110
	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		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 Servic	es							\$48.67	
	*Insecticide for Russian wheat apl	nid and arm	y cutworm.							
	Total listed costs for Field								\$113.42	
	Interest on Opera				e @ 8.00%	for 6.0 r	nonths		\$3.11	
	Total Operating and Use-I	Related O	wnership (Costs					\$116.53	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)				
	Scouting Wheat									
	Crop Insurance	Wheat								
	Real Estate Opportunity	Rainfed (Panhar		\$464 per a	cre @ 4.00)%			\$18.56	
	Real Estate Taxes	(1 milliul		\$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

Field Operations					airs	Own	ership				
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 Sprad, Fertilizer 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 8 Spray 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 8 Spray 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 8 Spray 1 0.60 0.24 0.11 0.21 0.62 0.25 2.03 5 9 Cumbine dryland			Times	Labor @	Fuel @ \$2	100	0000	0 11 11	l simp		Your
2 Spray		Field Operations	or Qty	\$12/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
Spray	1	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Spray	2	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Second Septend	3	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Spread, Fertilizer	4	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Spray	5	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	
Spray	6	Spread, Fertilizer	1	0.94	0.61	0.19	0.00	1.08	0.00	2.82	
Ombine dryland	7	Spray	1	0.60	0.24	0.11	0.21	0.62	0.25	2.03	
Ombine dryland	8	1 ,	Custom								
Total for Field Operations	9		1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
Total for Field Operations	10		Custom								
Materials and Services Operation Index Index Applied Acres Index Applied Applied Acres Index Applied Applied Acres Index Applied Applied Acres Index With Applied Acres Index Your Estimate Glyphosate w/Surf Herbicide 1 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 2 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 2 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 2 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 3 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 3 100% 2 lbs N 0.53 1.06 Glyphosate w/Surf Herbicide 4 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 4 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilize				\$7.76	\$6.57	\$3.63	\$4.89	\$19.05	\$5.62	\$47.51	
Materials and Services Operation Index Acres Index Applied Price Applied Price Your Total Estimate Glyphosate w/Surf Herbicide 1 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 1 100% 2 lbs N 0.53 1.06 Glyphosate w/Surf Herbicide 2 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 2 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 3 100% 32 ounces 0.16 5.00 21-0-26S Fertilizer 3 100% 2 lbs N 0.53 1.06 Glyphosate w/Surf Herbicide 4 100% 32 ounces 0.16 5.00 21-0-26S Fertilizer 4 100% 2 lbs N 0.53 1.06 30-0-20 Fertilizer 5 100% 6 pollone 0.0 0.0		100m1011101m		Ψ,,,,	φοιο,	40.00	Ψ1.0>	Ψ17.00	ψ υ.ιο 2	\$17.001	
Materials and Services						Percent	Appli	cation			
Materials and Services					Operation	Acres			Applied		Your
Glyphosate w/Surf		Materials and Services					Rate	Unit		Total	
21-0-0-26S			Herbicio	de				t			
Glyphosate w/Surf Herbicide 2 100% 32 ounces 0.16 5.00			-						-		
21-0-0-26S Fertilizer 2 100% 2 lbs N 0.53 1.06 Glyphosate w/Surf Herbicide 3 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 3 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 4 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 4 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 5 100% 8 gallons 1.90 15.20 Wheat Seed 5 100% 60 pounds 0.13 7.80 Meat Seed 5 100% 60 pounds 0.13 7.80 Meat Seed 7 100% 70 lbs N 0.43 30.10 Mly Extra Herbicide 7 100% 0.3 ounce 8.00 2.40 MlS Herbicide 7 100% 6 ounces 0.17 1.02 2.4-D Ester 4# Herbicide 7 100% 0.5 pint 2.5 2.5 2.7 Mearial Spray Custom 8 15% 1 acre 7.50 1.13 *Lorsban 4 E Insecticide 8 10% 1.5 pints 5.25 0.79 *Warrior II/Zeon Insecticide 8 5% 1.92 ounces 4.00 0.38 Haul Grain bu Custom 10 100% 55 bushels 0.13 7.15 Total Materials and Services Sp1.46 *Insecticide for Russian wheat aphid and army cutworm. Total listed costs for Field Operations and Materials and Services S138.97 Total Operating and Use-Related Ownership Costs S464 per acre @ 4.00% S18.56 Real Estate Opportunity Rainfed S464 per acre @ 4.00% S18.56 Real Estate Taxes S464 per acre @ 1.00% S185.74 Cost per Bushel								i	i 		
Glyphosate w/Surf								1	 		
21-0-0-26S Fertilizer 3 100% 2 lbs N 0.53 1.06 Glyphosate w/Surf Herbicide 4 100% 32 ounces 0.16 5.00 21-0-0-26S Fertilizer 4 100% 2 lbs N 0.53 1.06 10-34-0 Fertilizer 5 100% 8 gallons 1.90 15.20 Wheat Seed 5 100% 60 pounds 0.13 7.80 46-0-0 Fertilizer 6 100% 70 lbs N 0.43 30.10 Ally Extra Herbicide 7 100% 6 ounces 0.17 1.02 2.4-D Ester 4# Herbicide 7 100% 6 ounces 0.17 1.02 2.4-D Ester 4# Herbicide 7 100% 0.5 pint 2.50 1.25 *Aerial Spray Custom 8 15% 1 acre 7.50 1.13 *Lorsban 4 E Insecticide 8 10% 1.5 pints 5.25 0.79 *Warrior II/Zeon Insecticide 8 5% 1.92 ounces 4.00 0.38 Haul Grain bu Custom 10 100% 55 bushels 0.13 7.15 Total Materials and Services \$91.46 *Insecticide for Russian wheat aphid and army cutworm. Total listed costs for Field Operations and Materials and Services \$138.97 Interest on Operating Capital \$114.31 cash expense @ 8.00% for 6 months \$4.57 Total Operating and Use-Related Ownership Costs \$143.54 \$8.00 Real Estate Opportunity Rainfed \$464 per acre @ 4.00% \$18.56 Real Estate Taxes \$464 per acre @ 1.00% \$4.64 Total Cost per Acre Including Overhead \$45.33 \$8.33						1					
Glyphosate w/Surf											
21-0-0-26S					-			i	-		
10-34-0 Fertilizer 5 100% 8 gallons 1.90 15.20		_ · -						•			
Wheat Seed 5 100% 60 pounds 0.13 7.80 46-0-0 Fertilizer 6 100% 70 lbs N 0.43 30.10 Ally Extra Herbicide 7 100% 0.3 ounce 8.00 2.40 NIS Herbicide 7 100% 6 ounces 0.17 1.02 2,4-D Ester 4# Herbicide 7 100% 0.5 pint 2.50 1.25 *Aerial Spray Custom 8 15% 1 acre 7.50 1.13 *Lorsban 4 E Insecticide 8 10% 1.5 pints 5.25 0.79 *Warrior Il/Zeon Insecticide 8 5% 1.92 ounces 4.00 0.38 Haul Grain bu Custom 10 100% 55 bushels 0.13 7.15 Total Materials and Services \$138.97 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50									 		
Ally Extra											
Ally Extra								-	-		
NIS			-		-			i			
2,4-D Ester 4# Herbicide 7 100% 0.5 pint 2.50 1.25 *Aerial Spray Custom 8 15% 1 acre 7.50 1.13 *Lorsban 4 E Insecticide 8 10% 1.5 pints 5.25 0.79 *Warrior II/Zeon Insecticide 8 5% 1.92 ounces 4.00 0.38 Haul Grain bu Custom 10 100% 55 bushels 0.13 7.15 Total Materials and Services \$91.46 *Insecticide for Russian wheat aphid and army cutworm. Total listed costs for Field Operations and Materials and Services \$138.97 Interest on Operating Capital \$114.31 cash expense @ 8.00% for 6 months \$4.57 Total Operating and Use-Related Ownership Costs \$143.54 Overhead (accounting, liability insurance, vehicle cost, office expense) \$500 Scouting Wheat 6.00 Crop Insurance Wheat 8.00 Real Estate Opportunity Rainfed \$464 per acre @ 4.00% \$18.56 (Panhandle) \$464 per acre @ 1.00% \$4.64 Total Cost per Acre Including Overhead \$185.74 Cost per Bushel \$3.38			 					i	i		
*Aerial Spray								i e	-		
*Lorsban 4 E								<u> </u>			
*Warrior II/Zeon Insecticide 8 5% 1.92 ounces 4.00 0.38 Haul Grain bu Custom 10 100% 55 bushels 0.13 7.15 Total Materials and Services \$91.46 *Insecticide for Russian wheat aphid and army cutworm. Total listed costs for Field Operations and Materials and Services \$138.97 Interest on Operating Capital \$114.31 cash expense @ 8.00% for 6 months \$4.57 Total Operating and Use-Related Ownership Costs \$1143.54 Overhead (accounting, liability insurance, vehicle cost, office expense) Scouting Wheat 6.00 Crop Insurance Wheat 8.00 Real Estate Opportunity Rainfed \$464 per acre @ 4.00% \$18.56 (Panhandle) Real Estate Taxes \$464 per acre @ 1.00% \$4.64 Total Cost per Acre Including Overhead \$3.3.38								t			
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Cost per Bushel \$3.38		Real Estate Taxes	(2 4111141		\$464 per ac	cre @ 1.00	%			\$4.64	
Cost per Bushel \$3.38		Total Cost per Acre Includ	ing Overl	nead						\$185.74	
		-									
		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

		Repairs Repairs		Ownership			W			
	Field Operations	Times or Qty	Labor @ \$12/Hr	Fuel @ \$2 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	No-Till Drill	1	1.93	1.78	0.20	3.09	4.44	2.14	13.58	Estimate
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	0.00	0.24	0.11	0.21	0.02	0.23	2.03	
5	Spray	Custom								
6	Combine Dryland	1	1.89	2.99	2.67	0.74	10.42	2.25	20.96	
7	Truck	Custom	1.09	2.99	2.07	0.74	10.42	2.23	20.90	
	Total for Field Operations	Custom	\$7.75	\$34.69	\$5.60	\$13.27	\$22.67	\$10.15	\$94.13	
	Total for Field Operations		\$7.73	\$34.03	\$5.00	\$13.27	\$22.07	\$10.13	\$54.13	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize	r	1	100%	8	gallons	1.90	15.20	
	Wheat	1	100%	120	pounds	0.13	15.60			
	28-0-0					120	lbs N	0.32	38.40	
	2,4-D Ester 4#	Herbicide			100% 100%	0.5	pint	2.50	1.25	
	Ally Extra	Herbicio		3	100%	0.3	ounce	8.00	2.40	
	NIS	Herbicio		3	100%	6	ounces	0.17	1.02	
	Aerial Spray	Custom		4	100%	1	acre	7.50	7.50	
	Tilt	Fungicide		4	100%	4	ounces	3.00	12.00	
	*Aerial Spray	Custom		5	15%	1	acre	7.50	1.13	
	*Lorsban 4 E	Insecticide		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 (Operatio	ns and Ma	terials and S	Services				\$201.50	
	Interest on Opera	ting Cap	ital \$168.6	7 cash expen	se @ 8.00	% for 6 m	nonths		\$6.75	
	Total Operating and Use-R	elated O	wnership (Costs					\$208.25	
	1									
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)	,			
	Scouting	Wheat							6.00	
	Crop Insurance	Wheat		8.00						
	Real Estate Opportunity	Pivot (Pa	anhandle)	\$61.40						
	Real Estate Taxes			\$1,535 per	acre @ 1.0	00%			\$15.35	
	Total Cost per Acre Includi	ng Overl	nead						\$304.00	
	Cost per Bushel								\$3.38	
	Cash Cost per Bushel								\$2.10	

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