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EC872

(Revised January 2013)

Crop Budgets Nebraska – 2013

Developed and Edited by

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Note: These budget projections were created using assumptions thought to be valid for many producers in Nebraska; however, each farming operation is unique. These budgets are being released in both pdf and worksheet formats. The worksheet format allows producers to modify them to match their specific situation. The danger of releasing a tool that can subsequently be modified is that there is no way to verify whether alterations were made or unrealistic data was entered. Users of this tool are responsible for independently verifying all results prior to relying on them. Original files for these budgets are available at http://extension.unl.edu/publications and on http://cropwatch.unl.edu/web/economics/budgets.

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2013 Crop Budgeting Procedures

This publication contains crop production budgets for 13 crops and 51 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, system description, and method of water application.

The **list of representative field operations** is organized in a table with columns for the operation name, quantity or number of times used with units, labor, fuel and lube, power source, and implement costs for both repairs and ownership. "Times" or "Quantity" is typically 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 (bu), hundredweight (cwt), tons, and acre inches (ai). If a unit is other than "acres," it is specified in the "Unit" column.

Labor costs for each operation were calculated from machinery accomplishment rates and adjusted for additional time required for getting machinery ready, adjusting machinery, and handling fertilizer and other supplies. The estimated costs for completing these operations are multiplied by the number in the "Times" or "Quantity" column, the product of which is multiplied by the hourly wage (\$20 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 \$3.50 per gallon for diesel and \$0.138 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 most field machines was five years. The age assumed for irrigation equipment and grain drills is 10 years. The assumed age of the grass drill and rakes used to double windrows is 20 years. The assumed age of power equipment is in *Table 1*.

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 value less than 100% 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 October 2012.

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 3*.

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

Overhead costs include accounting, liability insurance, vehicle cost, and office expense. Real estate values used are from the UNL publication *Nebraska Farm Real Estate Market Developments 2011-2012* published in June 2012. Taxes on real estate are not included in interest

calculations because in Nebraska they are due at the end of the year in which they accrue and are not delinquent until May and September of the following year.

A 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, and interest, 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 2013 budgets

Name	List Price	Age	Tach Hours	Est. Hours per Year
Medium Tractor	\$125,000	10	2,500	200
Large Tractor	190,000	5	1,500	300
Combine	285,000	5	1,500	300
Windrower	86,500	10	2,500	100
Diesel Pump for Pivot	15,000	10	2,400	800
Diesel Pump for Pipe	15,000	10	2,400	800
Electric Pump	10,000	5	5,000	1,000

Table 2. Machinery cost data used for 2013 budgets

Operation Name	Machine or Head List Price	Annual Use	Units per Hour	Energy per Hour
Anhy Apply (supplier)	Not Owned	Not Owned	40.00 ac	6.36 gal
Anhydrous Apply	\$25,000	500 ac	8.50 ac	6.36 gal
Cart	31,000	90,000 bu	3,400 bu	7.00 gal
Chisel	47,100	500 ac	11.09 ac	8.26 gal
Chop Silage	Custom			
Chop Stalks	18,500	500 ac	12.34 ac	5.74 gal
Combine Dryland	48,500	1,000 ac	7.00 ac	10.47 gal
Combine Irrigated Corn	48,500	1,000 ac	7.00 ac	10.50 gal
Combine Irrigated Dry Beans	18,100	300 ac	5.00 ac	8.00 gal
Combine Irrigated Soybeans	18,100	1,000 ac	6.00 ac	10.50 gal
Combine Irrigated Sorghum	18,100	1,000 ac	6.00 ac	10.50 gal
Combine Dryland Corn	48,500	1,000 ac	7.00 ac	10.50 gal
Combine Dryland Soybeans	18,100	1,000 ac	6.50 ac	10.50 gal
Combine Dryland Sorghum	18,100	1,000 ac	6.50 ac	10.50 gal
Combine Dryland Sunflowers	35,000	300 ac	7.00 ac	10.50 gal
Corrugate	30,200	300 ac	7.02 ac	4.39 gal
Disc	31,710	2,000 ac	10.91 ac	8.29 gal
Double Windrows	21,700	300 ac	20.00 ac	2.11 gal
Drill	30,000	1,000 ac	7.50 ac	4.99 gal
Dry Grain	Custom			
Fallow Master	\$32,600	2,000 ac	15.00 ac	8.62 gal

Table 2. Machinery cost data used for 2013 budgets (continued)

Operation Name	Machine or Head List Price	Annual Use	Units per Hour	Energy per Hour
Field Cultivation	32,600	2,000 ac	15.00 ac	8.20 gal
Grass Drill	73,000	300 ac	6.00 ac	4.29 gal
Gravity Irrigation	NA	1,000 ai	1.80 ai	0.00 gal
Harrow	38,500	1,000 ac	18.59 ac	2.05 gal
Hill/Gravity	10,816	1,000 ac	6.50 ac	5.33 gal
Hoe	22,000	3,000 ac	14.67 ac	3.67 gal
Large Round Bale	21,500	1,250 ton	13.32 ton	2.88 gal
Large Square Bale	108,800	2,500 ton	16.07 ton	6.19 gal
Lift Beets	90,000	500 ac	5.12 ac	6.19 gal
Load Large Square	12,725	3,000 ton	9.00 ton	4.00 gal
Move Large Bale	12,725	1,250 ton	12.22 ton	4.00 gal
Move Large Round	12,725	1,250 ton	12.11 ton	4.00 gal
No-Till Drill	52,000	1,000 ac	6.84 ac	6.07 gal
Pickett Windrowers	30,000	500 ac	8.00 ac	6.07 gal
PivotD 125' Lift	21,400	2,600 ai	2.25 ai	3.03 gal
PivotD 125' Lift	90,000	2,600 ai	1.80 ai	3.34 gal
PivotE 125' Lift	90,000	2,600 ai	1.80 ai	47.78 kw
Plant	48,600	1,000 ac	6.75 ac	2.73 gal
Plant Narrow Row	48,600	1,000 ac	6.50 ac	2.58 gal
Plant No-Till	48,600	1,000 ac	6.75 ac	3.38 gal
Ridge Cultivation	20,000	1,000 ac	11.00 ac	5.33 gal
Ridge Plant	48,600	1,000 ac	6.50 ac	3.41 gal
Rod Weeder	8,000	1,000 ac	13.20 ac	5.35 gal
Roll	NA	300 ac	9.00 ac	5.46 gal
Row Crop Cultivation	45,000	1,000 ac	11.00 ac	3.06 gal
Seeder/Packer	25,000	300 ac	4.91 ac	4.29 gal
Small Square Bale	23,500	1,250 ton	3.92 ton	1.91 gal
Spray	34,400	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	27,400	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	11,700	500 ac	8.25 ac	8.25 gal
Swath/Condition Hay	Incl. in Power	500 ac	8.00 ac	5.00 gal
Till-Plant Beets	40,000	500 ac	6.00 ac	9.11 gal
Top Beets	35,000	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	8.00 ac	3.28 gal

Table 3. Material prices used for 2013 budgets

Item	Price	Item	Price
Custom Operation Rates		Insecticides	
Aerial Spray	\$8.00/ac	Asana XL	\$110.00/gal
Bale Lg Sq 1200 lb	14.50/bale	Brigade® 2EC	110.00/gal
Chop, Haul, Pack	8.00/ton	Lorsban® 15 G	2.50/lb
Dry 4 Points Removed	0.24/bu	Mustang® Max EC	235.00/gal
Haul Beets	3.50/ton	Regent® 4 SC	8.70/oz
Haul Grain, bu	0.12/bu	Warrior 11/Zeon®	500.00/gal
Haul Grain, cwt (Dry Beans)	0.28/cwt	Hawkisida a	
Haul Grain (Millet)	0.24/cwt	Herbicides	φ1.c.οο./ 1
Haul Grain (Sunflower)	0.30/cwt	2,4-D Amine	\$16.00/gal
Haul and Apply Manure	6.00/ton	2,4-D Ester 4#	21.00/gal
Spray	6.00/ac	Aim® 2EC	270.00/qt
		Ally® Extra SG	16.50/oz
Rental		AAtrex® 4L	19.00/gal
Grass Drill	\$10.00/ac	Authority First® DF	87.00/lb
Seeder-Packer	17.00/ac	Balance® Flexx	5.50/oz
		Bicep II Magnum®	53.00/gal
Fertilizers		Dicamba	47.00/gal
28-0-0	\$2.15/gal	Expert®	37.00/gal
10-34-0	3.35/gal	Glyphosate w/Surf	16.00/gal
10-34-0-1Z	3.65/gal	Gramoxone Inteon®	38.00/gal
11-52-0	0.35/lb	Landmaster® BW	16.00/gal
46-0-0	0.68/lb N	Lumax®	71.00/gal
82-0-0	0.56/lb N	Peak®	15.00/oz
Uncomposted Manure	1.00/ton	Prowl® H ₂ O	48.00/gal
	1.00/ t011	Pursuit [®] [*]	515.00/gal
Fungicides		Select Max TM	112.00/gal
Headline [®]	\$450.00/gal	Spartan® 4 F	715.00/gal
Headline® AMP	300.00/gal	Spirit [®]	14.00/oz
Tilt®	150.00/gal		
Copper	4.50/pt	Additives	
	1.30/pt	21-0-0-24S	0.30/lb
Seed		Crop Oil Concentrate	8.30/pt
Alfalfa w/Inoculant	\$5.00/lb	NIS	20.00/gal
Corn	200.00/bag	Crop Insurance	
Corn Bt ECB	230.00/bag	Corn – Irrigated	\$37.00/ac
Corn Bt ECB and RW	250.00/bag	Corn – Dryland	37.00/ac
Corn Refuge-In-A-Bag	325.00/bag	Corn – Dryland (western)	49.00/ac
Corn SmartStax	300.00/bag	Soybeans – Irrigated	33.00/ac
Edible Beans	92.00/cwt	Soybeans – Dryland	23.00/ac
Grass	60.00/acre	Dry Beans	61.00/ac
Millet	0.60/lb	Sugar Beets	38.00/ac
Oats	9.00/bu	Grain Sorghum – Irrigated	43.00/ac
Roundup Ready® Soybeans	50.00/bag	Grain Sorghum – Hrigated Grain Sorghum – Dryland	38.00/ac
Roundup Ready® 2 Soybeans	53.00/bag	Wheat in Crop Rotation	38.00/ac
Sorghum Safened/Seed	2.15/lb	Wheat – Fallow	30.00/ac
Sorghum Sudan	1.30/lb		
Sugarbeets RR Poncho	1.30/16 177.00/ac	Wheat – Irrigated	48.00/ac
Sunflower Sunflower	1.05/lb	Millet	24.00/ac
Wheat		Oats	19.00/ac
vviicat	0.25/lb	Sunflower	58.00/ac

Table 3. Material prices used for 2013 budgets (continued)

Item	Price	Item	Price
Scouting		Other	
Corn – Irrigated	\$10.00/ac	Electricity Fixed	\$28.36/ac
Corn – Dryland	10.00/ac	Electrical Usage Charge	0.138/Kwh
Soybeans – Irrigated	10.00/ac	Electricity (Fence/Water)	260.00/circle
Soybeans – Dryland	10.00/ac	Water Charge	40.00/ac
Dry Beans	12.00/ac	Twine Large Round	0.75/bale
Sugar Beets	16.00/ac	Twine Large Square	0.50/bale
Grain Sorghum	8.00/ac	Twine Small Square	0.16/bale
Wheat	8.00/ac	Fence/Water Repairs	260.00/circle
		Move Cattle	12.00/hr
Real Estate		Taxes, Insurance, and Housing	2 % of value
Dryland (State)	\$2,485.00/ac	Investment Interest Rate	4.00%
Dryland (Panhandle)	660.00/ac	Operations Borrowing Rate	5.00%
Gravity (State)	5,365.00/ac	Operations Borrowing Time	6 months
Gravity (Panhandle)	2,440.00/ac	Real Estate Tax Rate	1% of value
Pivot (State)	5,835.00/ac		
Pivot (Panhandle)	2,535.00/ac		
Dryland (Southwest)	1,250.00/ac		

Converting Energy Numbers in Budgets

If your energy source is different from that used in the 2013 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 \$0.138 per kilowatt, the calculation would be $14.12 \times 0.138 = \$1.95$. The 2013 crop budgets use \$3.50/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 Derrel Martin)

Diesel Fuel Conversion for Center Pivots

The 2013 crop production budgets with center pivot irrigation were developed with a pumping lift of 125 feet and 35 psi pressure to determine the amount of diesel fuel used per hour. *Table 5* was developed by Derrel Martin to determine the amount of diesel fuel for various pumping lifts and pressures to pump an acreinch of water.

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

With this information, the producer can calculate the additional cost since the diesel fuel required is now 4.74 gallons per acre-inch vs. 1.88 gallons per acre-inch 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 \$3.50/ gallon. The producer's additional cost would be \$90.09/ acre.

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

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

2013 Budget 1. Alfalfa, Fall Establishment Dryland

			_	Fuel @	Rep	airs	Owne	ership		
	Field Operations	Times or Qty	Labor @ \$20/Hr	\$3.50 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36		1.83	1	4.98	
2	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
3	Harrow	1	1.18	0.44	0.24	0.48	1.25	2.11	5.70	
4	Harrow	1	1.18	0.44	0.24	0.48	1.25	2.11	5.70	
5	Roll	1	2.22	2.44	0.51	0.02	2.58	0.27	8.04	
6	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
7	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
8	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
	Total for Field Operations		\$12.30	\$10.86	\$2.38	\$6.62	\$15.00	\$7.55	\$54.71	
					Percent	Appli	cation			
	Materials and Services	aterials and Services				Rate	Unit	Applied Price	Total	Your Estimate
	11-52-0	Fertilize	r	1	100%	100	pounds	0.35	35.00	
	Alfalfa w/Inoculant	Seed		6	100%	12	pounds	5.00	60.00	
	Buctril 2E	Herbicio	de	7	100%	1	pint	10.00	10.00	
	Pursuit	Herbicio	de	7	100%	3	ounces	4.02	12.07	
	Lorsban 4 E	Insectic	ide	8	20%	1	pint	6.25	1.25	
	Total Materials and Service	es							\$118.32	
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$173.03	
	Total Listed Costs for Field Operations and Materials and Services Interest on Operations Capital \$150.48 cash expense @ 5.00% for 6 months									
	Total Operating and Use-Related Ownership Costs								3.76 \$176.79	
	The state of the s									
	Overhead (accounting, liab	ility insu		cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	\$2,485 per	er acre @ 4.00%				99.40			
	Real Estate Taxes			\$2,485 per	acre @ 1.	00%			24.85	
	Total Cost per Acre Includi	ng Overl	nead						\$321.04	

2013 Budget 2. Alfalfa, Established Spring Seeded with Herbicides (2.5 ton Actual Yield) Dryland

		T.	1.1.0	Fuel @	Rep	airs	Own	ership		V
	Field Operations	Times or Qty	Labor @ \$20/Hr	\$3.50 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
2	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Seeder/Packer	1	4.48	3.52	0.38	1.03	8.33	4.45	22.19	
5	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
7	Swath/Cond Hay	2	5.00	5.03	3.31		6.30		19.64	
8	Turn Windrows	0.5	0.88	0.37	0.20	0.09	1.02	1.28	3.84	
9	Sm Sq Bale	2.5 ton	12.76	4.89	2.90	9.75	14.79	2.36	47.45	
10	Stack Sm Sq	2.5 ton	10.00	3.54	2.28	1.73	11.59	1.10	30.24	
	Total for Field Operations		\$39.38	\$24.41	\$9.98	\$15.08	\$51.58	\$11.96	\$152.39	
					Percent	Appli	cation			
				Operation	Acres	Арри	Cutton	Applied		Your
	Materials and Services	Materials and Services		Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilizer		1	100%	100	pounds	0.35	35.00	
	Seeder-Packer	Rental		4	100%	1	acre	12.00	12.00	
	Alfalfa w/Inoculant	Seed		4	100%	12	pounds	5.00	60.00	
	Lorsban 4 E	Insectic	ide	5	20%	1	pint	6.25	1.25	
	Buctril 2E	Herbici	de	6	100%	1	pint	10.00	10.00	
	Pursuit	Herbici	de	6	100%	3	ounces	4.02	12.07	
	Twine Sm Sq	Other		9	100%	2.50	tons	2.26	5.65	
	Total Materials and Service	es							\$135.97	
	Total Listed Costs for Field	Operati	ons and M	aterials and	Services				\$288.36	
						% for 6 m	nonths		5.62	
	Interest on Operating Capital \$224.82 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs								\$293.98	
										<u>'</u>
	Overhead (accounting, liab						20.00			
	Real Estate Opportunity	l (State)	\$2,485 per					99.40		
	Real Estate Taxes			\$2,485 per	acre @ 1.	00%			24.85	
	Total Cost per Acre Includi	ing Overl	nead						\$438.23	
	Cost per Ton								\$175.29	
	Cash Cost per Ton						,		\$102.12	

2013 Budget 3. Alfalfa, Established Spring Seeded with Herbicides (3.3 ton Actual Yield) Pivot Irrigated, 800 GPM 35 PSI Year, 12 Acre-inches

		Times	Labor @	Fuel @ \$3.50	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36	1	1.83	1	4.98	
2	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Seeder/Packer	1	4.48	3.52	0.38	1.03	8.33	4.45	22.19	
5	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
7	PivotD 125' Lift	12 ai	8.33	89.62	3.92	24.90	5.68	14.89	147.34	
8	Swath/Cond Hay	2	5.00	5.03	3.31		6.30		19.64	
9	Turn Windrows	0.5	0.88	0.37	0.20	0.09	1.02	1.28	3.84	
10	Lg Sq Bale	3.3 ton	4.52	5.11	0.39	3.55	8.39	7.19	29.15	
11	Load Lg Sq Bale	3.3 ton	8.07	5.90	0.69	1.72	14.98	0.60	31.96	
12	Spray	0.5	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
	Total for Field Operations		\$38.04	\$116.85	\$9.90	\$34.13	\$54.78	\$31.60	\$285.30	
		l			-	4 7*		<u> </u>		I
		Operation	Percent Acres	Appli	cation 	Applied		Your		
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	100	pounds	0.35	35.00	
	Seeder-Packer	Rental		4	100%	1	acre	12.00	12.00	
	Alfalfa w/Inoculant	Seed		4	100%	12	pounds	5.00	60.00	
	Lorsban 4 E	Insectic	ide	5	20%	1	pint	6.25	1.25	
	Buctril 2E	Herbicio	de	6	100%	1	pint	10.00	10.00	
	Pursuit	Herbicio	de	6	100%	3	ounces	4.02	12.07	
	Twine Lg Sq	Other		10	100%	3.30	ton	0.76	2.51	
	Lorsban 4 E	Insectic	ide	12	100%	1	pint	6.25	6.25	
	Total Materials and Service	es							\$139.08	
	T-4-11:-4-1 C4- f E:-11	0	1 M	.4	C				¢424.20	Ī
	Total Listed Costs for Field					0/2 for 6 ==	onthe		\$424.38 8.45	
	Interest on Operating Capital \$338.00 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs								\$432.83	
	Total Operating and Ose-Related Ownership Costs								ψ432.03	
	Overhead (accounting, liab	cle cost, offi	ce expense	e)			20.00			
	Real Estate Opportunity	tate)	\$5,835 per	acre @ 4.0	00%			233.40		
	Real Estate Taxes			\$5,835 per	acre @ 1.0	00%			58.35	
	Total Cost per Acre Includi	ng Overl	nead						\$744.58	
	Cost per Ton								\$225.63	
	Cash Cost per Ton								\$122.67	

2013 Budget 4. Alfalfa, Established with Oats (2.25 ton Actual Yield) Canal Irrigated, 18 Acre-inches

			_	Fuel @	Rep	airs	Own	ership		
	F:-11 O5ti	Times	Labor @	\$3.50 and Lube	D	T6	D	T6	T-4-1	Your
	Field Operations	or Qty	\$20/Hr	I	Power	Ітр.	Power	Imp.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
3	Roll	1	2.22	2.44	0.51	0.02	2.58	0.27	8.04	
4	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
5	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
6	Corrugate	1	3.13	2.52	0.65	0.91	3.30	5.51	16.02	
7	Swath/Cond Hay	2	5.00	5.03	3.31		6.30		19.64	
8	Turn Windrows	0.5	0.88	0.37	0.20	0.09	1.02	1.28	3.84	
9	Lg Rd Bale	2.25 ton	3.72	1.96	0.77	1.66	3.92	1.94	13.97	
10	Move Lg Rd Bale	2.25 ton	4.09	2.99	0.85		4.31	0.99	13.23	
11	Ditch Irrigation	18 ai	58.33						58.33	
12	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
	Total for Field Operations		\$85.09	\$22.85	\$7.68	\$8.32	\$31.35	13.05	\$168.34	
	-	Г			,					
					Percent	Appli	cation			
	Matariala and Camina			Operation	Acres	Data	17:4	Applied Price	Total	Your
	Materials and Services	E (11)		Index	Applied	Rate	Unit		Total	Estimate
	11-52-0	Fertilize	er	2	100%	100	pounds	0.35	35.00	
	Alfalfa w/Inoculant	Seed		4	100%	12	pounds	5.00	60.00	
	Oats	Seed		4	100%	0.5	bushel	9.00	4.50	
	Lorsban 4 E	Insectic	ide	5	20%	1	pint	6.25	1.25	
	Twine Lg Rd	Other		9	100%	2.25	tons	0.99	2.22	
	Water Charge	Other		11	100%	1	acre	40.00	40.00	
	Raptor	Herbici	de	12	100%	5	ounces	4.30	21.48	
	Total Materials and Service	es							\$164.45	
	Total Listed Costs for Field	Operatio	ns and Ma	terials and S	ervices				\$332.79	
	Interest on Operating Capital \$288.39 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense)								7.21	
									\$340.00	
									20.00	
	Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00%								97.60	
	Real Estate Taxes			\$2,440 per	acre @ 1.0)0%			24.40	
	Total Cost per Acre Including Overhead								\$482.00	
	Cost per Ton								\$214.22	
	Cash Cost per Ton								\$142.22	

2013 Budget 5. Alfalfa, Large Round Bales (4.4 ton Actual Yield) Dryland

			_	Fuel @	Rep	airs	Owne	ership		
	Field Operations	Times or Qty	Labor @ \$20/Hr	\$3.50 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
2	Swath/Cond Hay	4	10.00	10.06	6.62		12.60		39.28	
3	Turn Windrows	1	1.75	0.74	0.40	0.17	2.03	2.57	7.66	
4	Double Windrows	3	3.30	1.27	0.68	0.48	3.48	3.57	12.78	
5	Lg Rd Bale	4.4 ton	7.27	3.82	1.50	3.24	7.66	3.79	27.28	
6	Move Lg Rd Bale	4.4 ton	7.99	5.85	1.65		8.42	1.93	25.84	
7	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
	Total for Field Operations		\$32.13	\$23.08	\$11.26	\$4.07	\$36.28	\$12.07	\$118.89	
					D (Appli	cation			
				Operation	Percent Acres	Appli	Cation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	75	pounds	0.35	26.25	
	Twine Lg Rd	Other		4	100%	4.4	tons	0.99	4.35	
	Mustang Max EC	Insectic	ide	6	25%	3	ounces	1.84	1.38	
	Total Materials and Service	es							\$ 31.98	
	Total Listed Costs for Field	Onovati	one and M	atorials and	Comvises				\$150.87	
)/ f = (41		2.56	
	Interest on Opera				ise @ 5.00	% IOr 6 II	iontns			
	Total Operating and Use-R	erated O	wnersnip (Costs					\$153.43	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland	(State)	\$2,485 pe	r acre @ 4	.00%			99.40	
	Real Estate Taxes			\$2,485 pe	r acre @ 1	.00%			24.85	
	Total Cost per Acre Includi						\$297.68			
	Cost per Ton								\$ 67.65	
	Cash Cost per Ton							\$ 29.53		

2013 Budget 6. Alfalfa, Large and Small Square Bales (6.6 ton Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 16 Acre-inches

		T:	Labor @	Fuel @ \$3.50	Rep	airs	Owne	ership		V
	Field Operations	Times or Qty	\$20/Hr	\$3.30 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36	1	1.83	1	4.98	
2	Swath/Cond Hay	4	10.00	10.06	6.62		12.60		39.28	
3	Turn Windrows	1	1.75	0.74	0.40	0.17	2.03	2.57	7.66	
4	Double Windrows	4	4.40	1.70	0.91	0.64	4.64	4.76	17.05	
5	Lg Sq Bale	4.4 ton	6.02	6.82	0.52	4.73	11.19	9.58	38.86	
6	Load Lg Sq Bale	Custom								
7	Sm Sq Bale	2.2 ton	11.22	4.30	2.55	8.58	13.01	2.08	41.74	
8	Stack Sm Sq Bale	2.2 ton	8.80	3.11	2.00	1.52	10.20	0.97	26.60	
9	PivotE 125' Lift	16 ai	11.11	58.61	4.46	33.20	8.07	19.86	135.31	
10	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
11	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
	Total for Field Operations		\$55.37	\$86.80	\$17.92	\$49.20	\$64.09	\$40.24	\$313.62	
		I			-	4 1*				
				Operation	Percent Acres	Appli	cation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	75	pounds	0.35	26.25	
	Twine Lg Sq Bale	Other		5	67%	4.4	tons	0.76	2.23	
	Load Large Square Bale	Custom		6	100%	4.4	tons	3.35	14.74	
	Twine Sm Sq Bale	Other		7	33%	2.2	tons	2.26	1.66	
	Electricity Fixed	Other		9	100%	1	acre	28.36	28.36	
	Pursuit	Herbicio	de	10	25%	4.5	ounces	4.02	4.53	
	Crop Oil Concentrate	Additive	2	10	25%	2	pints	1.04	0.52	
	Mustang Max EC	Insectic	ide	11	25%	3	ounces	1.84	1.38	
	Total Materials and Service	es							\$ 79.67	
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$393.29	
	Interest on Opera					% for 6 m	onths		7.22	
	Total Operating and Use-R								\$400.51	
	Total operating with contra		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						ψ100 1 01	
	Overhead (accounting, liab	· ·		cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per					233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.0	00%			58.35	
	Total Cost per Acre Includi	ng Overl	nead						\$712.26	
	Cost per Ton								\$107.92	
	Cash Cost per Ton								\$ 53.72	

2013 Budget 7. Alfalfa, Large Square Bales (6.6 ton Actual Yield) Gravity Irrigated, 22 Acre-inches

				Fuel @	Rep	airs	Owne	ership		
	Eigld Operations	Times	Labor @	\$3.50	Dannan	Luck	Dannan	Tues	Total	Your
_	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
2	Swath/Cond Hay	4	10.00	10.06	6.62		12.60		39.28	
3	Turn Windrows	1	1.75	0.74	0.40	0.17	2.03	2.57	7.66	
4	Double Windrows	4	4.40	1.70	0.91	0.64	4.64	4.76	17.05	
5	Lg Sq Bale	Custom								
6	Load Lg Sq Bale	6.6 ton	16.13	11.81	1.38	3.44	29.96	1.21	63.93	
7	Corrugate	1	3.13	2.52	0.65	0.91	3.30	5.51	16.02	
8	Ditch Irrigation	22 ai	71.30						71.30	
9	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
10	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
	Total for Field Operations		\$108.78	\$28.29	\$10.42	\$5.52	\$54.88	\$14.47	\$222.36	
		Π			ъ .	A = = 1:	4:			
				Operation	Percent Acres	Appli	cation	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilize	r	1	100%	75	pounds	0.35	26.25	
	Bale Lg Sq 1300 lb	Custom		5	100%	6.6	tons	22.31	147.23	
	Water Charge	Other		8	100%	1	acre	40.00	40.00	
	Pursuit	Herbicio	de	9	25%	4.5	ounces	4.02	4.53	
	Crop Oil Concentrate	Additive	2	9	25%	2	pints	1.04	0.52	
	Mustang Max EC	Insectic	ide	10	25%	3	ounces	1.84	1.38	
	Total Materials and Service	es							\$219.91	
	Total Listed Costs for Field								\$442.27	
	Interest on Opera	ting Cap	ital \$372.92	2 cash expen	se @ 5.00	% for 6 m	onths		9.32	
	Total Operating and Use-R	elated O	wnership (Costs					\$451.59	
	Overhead (accounting, liab	cle cost, offi	ce expense	e)			20.00			
	Real Estate Opportunity	Gravity	(State)	\$5,365 per	acre @ 4.0	00%			214.60	
	Real Estate Taxes			\$5,365 per	acre @ 1.0	00%			53.65	
	Total Cost per Acre Includi	1 +->					\$739.84			
	Cost per Ton								\$112.10	
	Cash Cost per Ton								\$ 66.04	

2013 Budget 8. Corn, Conventional, Continuous, 90 bu Yield Goal (85 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Chisel	1	1.98	3.00	0.17	0.95	3.68	5.15	14.93	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5_	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Row Crop Cultivation	0.25	0.45	0.28	0.10	0.17	0.53	0.62	2.15	
8	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
9	Spray	Custom								
0	Combine Dryland Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
1	Cart	85 bu	0.55	0.70	0.11	0.06	0.58	1.80	3.80	
2	Truck	Custom								
3	*	Custom								
4	Chop Stalks	1	1.78	1.87	0.15	0.32	3.31	1.60	9.03	
	Total for Field Operations		\$18.29	\$20.45	\$8.15	\$9.79	\$31.61	\$23.48	\$111.77	
					Percent	Appli	cation			
				Operation	Acres	1 1 PP 11		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	. 40	2	100%	90	lbs N	0.56	50.40	Estimate
		Seed	1	4	100%	0.16		200.00	32.50	
	Corn	<u> </u>	• 1				bag			<u> </u>
	Regent 4 SC	Insectic		4	100%	4.16	ounces	8.70	36.19	<u> </u>
	10-34-0	Fertilize		4	100%	6	gallons	3.35	20.10	
	Lumax EZ	Herbici		5	100%	2.7	quarts	17.75	47.93	
	Spray	Custom		8	50%	1	acre	6.00	3.00	
	Distinct	Herbici		8	50%	4	ounces	0.45	0.91	
	NIS	Additive		8	50%	6	ounces	0.16	0.47	
	32-0-0 (Q)	Fertilize	r	8	50%	1	quart	0.49	0.24	
	Spray	Custom		9	50%	1	acre	6.00	3.00	
	Lorsban 15 G	Insectic	ide	9	10%	5	pounds	2.50	1.25	
	Brigade 2EC	Insectic	ide	9	10%	2.5	ounces	0.86	0.21	
	Brigade 2EC	Insectic	ide	9	10%	5.12	ounces	0.86	0.44	
	Mustang Max EC	Insectic	ide	9	20%	2	ounces	1.84	0.73	
	Haul Grain bu	Custom		12	100%	85	bushels	0.12	10.20	
	Dry 4 Points Removed	Custom		13	100%	85	bushels	0.24	20.40	
	Scouting Dryland Corn	Scoutin		-	100%	1	acre	10.00	10.00	
	Corn Dryland	Crop In		_	100%	1	acre	37.00	37.00	
	Total Materials and Servic			per acre, 80,					\$274.97	
	m . 1 . 1	10 :	1		0 :				420671	1
	Total Listed Costs for Field					0.1 C			\$386.74	
	Interest on Opera				se @ 5.00	% for 6 m	nonths		8.29	
	Total Operating and Use-F	Related O	wnership (Costs					\$395.03	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland		\$2,485 per					99.40	
	Real Estate Taxes	Diyiaiic	· (otate)	\$2,485 per					24.85	
	Total Cost per Acre Includ	ing Orrani	aad	ψ2,403 per	acre @ 1.0	70 70				
	4	ing Overi	icau						\$539.28	
	Cost per Bushel								\$ 6.34	
	Cash Cost per Bushel								\$ 4.29	

2013 Budget 9. Corn, No-till, Roundup Ready® and Bt, RW and ECB, Continuous, 120 bu Yield Goal (110 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50	Ttop	<i></i>	0 1/11			Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
2	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	Custom								
5	Combine Dryland Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
6	Cart	110 bu	0.71	0.91	0.15	0.08	0.75	2.32	4.92	
7	Truck	Custom								
8	Dry Grain	Custom								
	Total for Field Operations		\$9.74	\$9.95	\$7.10	\$6.44	\$17.39	\$11.68	\$62.30	
					Percent	Appli	cation			
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	32-0-0	Fertilize		1 1 1	100%	115	lbs N	0.69	79.27	Estimate
		Herbicio		1	100%	3		9.25	27.75	
	Expert Corn Bt ECB & RW	Seed	16	2	80%	0.21	quarts bag	250.00	42.00	
		Seed			20%	0.21		200.00		
	Corn	Insectic		2			bag		8.40	
	*Regent 4 SC 10-34-0-1Z	Fertilize		2	20%	4.16	ounces	8.70	7.24	
				2	100%	6	gallons	3.65	21.90	
	Glyphosate w/Surf	Herbicio		3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		3	100%	1.7	pounds	0.30	0.51	
	Status	Herbicio		3	50%	2.5	ounces	3.50	4.38	
	*Spray	Custom		4	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		4	2%	2	pounds	2.50	0.10	
	*Brigade 2 EC	Insectic		4	10%	5.12	ounces	0.86	0.44	
	*Mustang Max EC	Insectic		4	20%	2	ounces	1.84	0.73	
	Haul Grain bu	Custom		7	100%	110	bushels	0.12	13.20	
	Dry 4 Points Removed	Custom		8	100%	110	bushels	0.24	26.40	
	Scouting Dryland Corn	Scouting			100%	1	acre	10.00	10.00	
	Corn Dryland	Crop In			100%	1	acre	37.00	37.00	
	Total Materials and Service *Insecticides for 1st & 2nd brood Euro			ls per acre, 8					\$285.24	
	*Insecticides for 1st & 2nd brood Euro	pean corn boi	rer (10% or ren	ige), western bea	n cutworm, an	a spider mite	es, respectively	···		
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$347.54	
	Interest on Opera					% for 6 m	nonths		7.96	
	Total Operating and Use-R								\$355.50	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland	l (State)	\$2,485 per	acre @ 4.0	00%			99.40	
	Real Estate Taxes			\$2,485 per	acre @ 1.0	00%			24.85	
	Total Cost per Acre Includ	ing Overl	nead						\$499.75	
	Cost per Bushel								\$ 4.54	
	Cash Cost per Bushel								\$ 3.19	

2013 Budget 10. Corn, No-till, Refuge-In-A-Bag, Continuous, 130 bu Yield Goal (120 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
	71.11.0	Times	Labor @	\$3.50	_		_		1	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
2	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	Custom								
5	Combine Dryland Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
6	Cart	120 bu	0.78	0.99	0.16	0.09	0.82	2.53	5.37	
7	Truck	Custom								
8	Dry Grain	Custom								
	Total for Field Operations		\$9.81	\$10.30	\$7.11	\$6.45	\$17.46	\$11.89	\$62.75	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	32-0-0	Fertilize	r	1	100%	125	lbs N	0.69	86.16	
	Expert	Herbicio	de	1	100%	3	quarts	9.25	27.75	
	Corn Refuge-In-A-Bag	Seed		2	100%	0.24	bag	325.00	78.00	
	10-34-0	Fertilize	r	2	100%	6	gallons	3.35	20.10	
	Glyphosate w/Surf	Herbicio	de	3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	3	100%	1.7	pounds	0.30	0.51	
	Status	Herbicio	de	4	50%	2.5	ounces	3.50	4.38	
	Spray	Custom		4	25%	1	acre	6.00	1.50	
	Brigade 2 EC	Insectic	ide	4	10%	5.12	ounces	0.86	0.44	
	Haul Grain bu	Custom		7	100%	120	bushels	0.12	14.40	
	Dry 4 Points Removed	Custom		8	100%	120	bushels	0.24	28.80	
	Scouting Dryland Corn	Scouting	g	-	100%	1	acre	10.00	10.00	
	Corn Dryland	Crop In	surance	-	100%	1	acre	37.00	37.00	
	Total Materials and Service	es	19,200 s	eeds per acr	e, 80,000 <u>p</u>	per bag, 5	% refuge		\$313.04	
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$375.79	
	Interest on Opera					% for 6 m	nonths		8.66	
	Total Operating and Use-I			2.00	, , , 101 0 11			\$384.45		
								Ψυσι.10	1	
	Overhead (accounting, liab	rance, vehi	cle cost, offi	ce expense	e)			20.00		
	Real Estate Opportunity	l (State)	\$2,485 per	acre @ 4.0	00%			99.40		
	Real Estate Taxes		\$2,485 per acre @ 1.00%					24.85		
	Total Cost per Acre Includ	nead						\$528.70		
	Cost per Bushel							\$ 4.41		
	Cash Cost per Bushel					\$ 3.17				

2013 Budget 11. Corn, No-Till, Bt ECB After Soybean, 125 bu Yield Goal (115 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50	rtep		0 11 11			Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
5	Spray	Custom								
6	Combine Dryland Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
7	Cart	115 bu	0.74	0.95	0.15	0.08	0.78	2.43	5.13	
8	Truck	Custom								
9	Dry Grain	Custom								
	Total for Field Operations		\$9.39	\$10.09	\$7.22	\$6.96	\$15.70	\$11.16	\$60.52	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	32-0-0	Fertilize	r	1	100%	75	lbs N	0.69	51.69	
	Corn Bt ECB	Seed		2	80%	0.23	bag	230.00	42.32	
	Corn	Seed		2	20%	0.23	bag	200.00	9.20	
	10-34-0	Fertilize		2	100%	6	gallons	3.35	20.10	
	Expert	Herbici		3	100%	3	quarts	9.25	27.75	
	21-0-0-24S	Additive		3	100%	1.7	pounds	0.30	0.51	
	Laudis	Herbici		4	50%	3	ounces	5.57	8.36	
	Crop Oil Concentrate	Additive		4	50%	1	pint	1.04	0.52	
	32-0-0 (Q)	Fertilize		4	50%	1.5	quarts	0.49	0.37	
	*Spray	Custom		5	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		5	2%	2	pounds	2.50	0.10	
	*Brigade 2 EC	Insectic		5	10%	5.12	ounces	0.86	0.44	
	*Mustang Max EC	Insectic		5	20%	2	ounces	1.84	0.73	
	Haul Grain bu	Custom		8	100%	115	bushels	0.12	13.80	
	Dry 4 Points Removed	Custom		9	50%	115	bushels	0.24	13.80	
	Scouting Dryland Corn	Scouting		_	100%	1	acre	10.00	10.00	
	Corn Dryland	Crop In		1 -	100%	1 2001	acre	37.00	37.00	
	Total Materials and Service *Insecticides for first and second b			ds per acre, 8				cutworm **	\$238.61	
	miscendues for first and second t	noou Europ	can com bor	C1 (1070 01 1e10	ige), spider i	intes, and w	Cottin Deall	Cutworiii, Fe		
	Total Listed Costs for Field	Operati	ons and M	aterials and	Services				\$299.13	
	Interest on Opera					% for 6 m	onths		6.81	
	Total Operating and Use-R							\$305.94		
	Overhead (accounting, liab	ranca waki	cle cost off	ca avnono	a)			20.00		
		Drylanc								
	Real Estate Opportunity Real Estate Taxes	Diyianc	(State)	\$2,485 per \$2,485 per					99.40	
		ng Over-1	and	φ2,485 per	acre @ 1.0	JU%0			24.85 \$450.19	
	Total Cost per Acre Including Cost per Bushel	ing Overi	icau						\$ 3.91	
	Cash Cost per Bushel								\$ 3.91	
	Casii Cost pei Dusiiei								φ 2.04	

2013 Budget 12. EcoFallow Corn, follows Wheat, 2 Crops in 3 Years, Roundup Ready® and Bt ECB, 125 bu Yield Goal (115 bu Actual Yield) Dryland

			- 1 -	Fuel @	Rep	airs	Own	ership		
	Field Operations	Times or Qty	Labor @ \$20/Hr	\$3.50 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
5	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
6	Spray	Custom								
7	Combine Dryland Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
8	Cart	115 bu	0.74	0.95	0.15	0.08	0.78	2.43	5.13	
9	Truck	Custom		ĺ						
10	Dry Grain	Custom								
	Total for Field Operations		\$11.14	\$10.93	\$7.59	\$8.22	\$17.54	\$12.63	\$68.05	
	,									
					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	0.13	4.00	
	21-0-0-24S	Additive		1	100%	1.7	pounds	0.30	0.51	
	Rugged	Herbicio		1	100%	1	quart	10.75	10.75	
	AAtrex 4L	Herbicio		2	100%	1.5	quarts	4.75	7.13	
	Glyphosate w/Surf	Herbicio		2	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		2	100%	1.7	pounds	0.30	0.51	
	32-0-0	Fertilize		3	100%	120	lbs N	0.69	82.71	
	AAtrex 4L	Herbicio		3	100%	0.5	quart	4.75	2.38	
	Balance Flexx	Herbicio		3	100%	4	ounces	5.50	22.00	
	10-34-0	Fertilize	r	4	100%	6	gallons	3.35	20.10	
	Corn Bt ECB	Seed		4	80%	0.23	bag	230.00	42.32	
	Corn	Seed		4	20%	0.23	bag	200.00	9.20	
	Glyphosate w/Surf	Herbicio		5	100%	32	ounces	0.13	4.00	
	*21-0-0-248	Additive		5	100%	1.7	pounds	0.30	0.51	
	Status	Herbicio	ie	6	50%	2.5	ounces	3.50	4.38	
	*Spray	Custom	1	6	34%	1	acre	6.00	2.04	
	*Lorsban 15 G	Insectici		6	2%	2	pounds	2.50	0.10	
	*Brigade 2 EC	Insectici		6	2%	2.5	ounces	0.86	0.04	
	*Brigade 2 EC	Insectici Insectici		6	10% 20%	5.12	ounces	0.86	0.44 0.73	
	Mustang Max EC	 		6	1		ounces	1.84		
	Haul Grain bu Dry 4 Points Removed	Custom Custom		10	100% 100%	115 115	bushels bushels	0.12	13.80 27.60	
	Scouting Dryland Corn	Scouting			100%	113	acre	10.00	10.00	
	Corn Dryland Budget 12	Crop In:			100%	1	acre	49.00	49.00	
	Total Materials and Service			er acre, 80,0		er bag. 20			\$318.25	
	*Insecticides for rootworm (refug									у.
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$386.30	
	Interest on Opera					% for 6 m	onths		8.90	
	Total Operating and Use-R					0 101 0 111			\$395.20	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offic	e expense)			20.00	
	Real Estate Opportunity	 		\$1,250 per					50.00	
	Real Estate Taxes	Di yiaiiu (SOULIWEST)	\$1,250 per					12.50	
		 		Ψ1,230 pel	acre & 1.0	/0 /0				
	Total Cost per Acre Includ	ing Overh	iead						\$477.70	
	Cost per Bushel								\$ 4.15	
	Cash Cost per Bushel								\$ 3.28	

2013 Budget 13. Corn, Ridge-Till, Bt, ECB and RW, Continuous, 230 bu Yield Goal (215 bu Actual Yield) Gravity Irrigated, 1,000 GPM 10 PSI, 18 Acre-Inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Ridge Plant	1	3.38	2.11	0.29	4.18	6.28	2.66	18.90	
4	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
5	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
6	Spray	Custom								
7	Spray	Custom								
8	Pipe D125' Lift	18 ai	35.00	97.57	4.70	3.42	8.00	6.08	154.77	
9	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
10	Cart	215 bu	1.39	1.78	0.29	0.16	1.47	4.54	9.63	
11	Truck	Custom								
12	Dry Grain	Custom								
13		1	1.78	1.87	0.15	0.32	3.31	1.60	9.03	
	Total for Field Operations		\$51.12	\$116.38	\$11.96	\$10.95	\$40.63	\$24.54	\$255.58	
				<u> </u>		A 1.				
					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		2.63	0.79	
	Glyphosate w/Surf	Herbicio		1	20%	32	ounces	0.13	0.80	
	21-0-0-24S	Additive		1	20%	1.7	pounds	0.30	0.10	
	82-0-0	Fertilize		2	100%	215		0.56	120.40	
	10-34-0	Fertilize		3	100%		gallons	3.35	20.10	
	Bicep II Magnum	Herbicio	de	3	40%	1.8		13.25	9.54	
	Corn Bt ECB&RW	Seed		3	80%	0.38		250.00	76.00	
	Corn	Seed		3	20%	0.38		200.00	15.20	
	*Regent 4 SC	Insectici	ide	3	20%	4.16	i	8.70	7.24	
	Spray	Custom		6	50%	1	acre	6.00	3.00	
	Distinct	Herbicio		6	50%	4	ounces	0.45	0.91	
	NIS	Additive		6	50%	6	ounces	0.16	0.47	
	32-0-0 (Q)	Fertilize		6	50%	1	quart	0.49	0.24	
	•Spray	Custom		6	32%	1	acre	6.00	1.92	
	•Lorsban 15 G	Insectic		6	2%	5	-	2.50	0.25	
	•Brigade 2EC	Insectici		6	10%	5.12	ounces	0.86	0.44	
	•Mustang Max EC	Insectic		6	20%	2		1.84	0.73	
	Spray	Custom		7	40%		acre	6.00	2.40	
	Headline Haul Grain bu	Fungicio		 	40%		ounces bushels	3.52	14.06 25.80	
	Dry 4 Points Removed	Custom Custom		11 12	100% 100%		bushels	0.12	51.60	
	Scouting Irrigated Corn	Scouting		i	100%			10.00	10.00	
	Corn Irrigated	Crop In		_	100%	1	acre acre	37.00	37.00	
	Total Materials and Servic			per acre, 80				37.00	\$398.99	
	*Insecticides for rootworm (refug							and enider mi		
	moccucios foi footworiii (renig	c), 18t DF000	i European Co	JII 001EI (10%	or reruge), v	western bear	ı cutwofiii, a	ma spider ini	ics, respectively.	
	Total Listed Costs for Field	l Operation	ons and M	aterials and	Services				\$654.57	
	Interest on Opera					% for 6 m	nonths		14.74	
	Total Operating and Use-F								\$669.31	
	Total Operating and Ose-r	Clateu O	whership	Cusis					φυυσ.σ1	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	 		\$5,365 per						
	Real Estate Opportunity Real Estate Taxes	Gravity	(State)	\$5,365 per \$5,365 per					214.60 53.65	
			1	φυ,υου per	acit @ 1.0	70 70				
	Total Cost per Acre Includ	ıng Overl	nead						\$957.56	
	Cost per Bushel								\$ 4.45	
	Cash Cost per Bushel								\$ 3.06	

2013 Budget 14. Corn, Ridge-Till, Refuge-In-A-Bag, Continuous, 240 bu Yield Goal, (225 bu Actual Yield) Gravity Irrigated, 1,000 GPM 10 PSI, 18 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Ridge Plant	1	3.38	2.11	0.29	4.18	6.28	2.66	18.90	
4	Hoe	0.1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
5	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
6	Ridge Cultivation	1	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
7	Spray	Custom								
8	Spray	Custom								
9	PivotD 125' Lift	18 ai	35.00	97.57	4.70	3.42	8.00	6.08	154.77	
10	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
11	Cart	225 bu	1.46	1.86	0.30	0.17	1.53	4.75	10.07	
12	Truck	Custom								
13	Dry Grain	Custom								
14	Chop Stalks	1	1.78	1.87	0.15	0.32	3.31	1.60	9.03	
	Total for Field Operations	<u> </u>	\$51.69	\$116.70	\$12.07	\$11.32	\$41.22	\$25.17	\$258.17	
		T			Percent	Annli	cation		Ι	
				Operation	Acres	110011	Cuiton	Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbicio	 1e	1	20%	1.5	pints	2.63	0.79	Limite
	Glyphosate w/Surf	Herbicio		1	20%	32	ounces	0.13	0.80	
	21-0-0-24S	Additive		1	20%	1.7	pounds	0.30	0.10	
	82-0-0	Fertilize		2	100%	225	lbs N	0.56	126.00	
	10-34-0	Fertilize		3	100%	6	gallons	3.35	20.10	
	Bicep II Magnum	Herbici		3	40%	1.8	quarts	13.25	9.54	
	Corn Refuge-In-A-Bag	Seed		3	100%	0.41	bag	325.00	133.25	
	Glyphosate w/Surf	Herbici	de	6	50%	32.00	ounces	0.13	2.00	
	21-0-0-24S	Additive		6	50%	1.7	pounds	0.30	0.26	
	Status	Herbicio	de	6	50%	2.5	ounces	3.50	4.38	
	Spray	Custom		7	10%	1	acre	6.00	0.60	
	Brigade 2EC	Insectic	ide	7	10%	5.12	ounces	0.86	0.44	
	Spray	Custom		8	40%	1	acre	6.00	2.40	
	Headline	Fungici	de	8	40%	10	ounces	3.52	14.06	
	Haul Grain bu	Custom		12	100%	225	bushels	0.12	27.00	
	Dry 4 Points Removed	Custom		13	100%	225	bushels	0.24	54.00	
	Scouting Irrigated Corn	Scoutin		_	100%	1	acre	10.00	10.00	
	Corn Irrigated	Crop In		_	100%	1	acre	37.00	37.00	
	Total Materials and Service			per acre, 80					\$442.72	
									·	
	Total Listed Costs for Fiel								\$700.89	
	Interest on Oper	ating Cap	ital \$634.5	0 cash exper	nse @ 5.00	% for 6 n	nonths		15.86	
	Total Operating and Use-	Related O	wnership	Costs					\$716.75	
	Overhead (accounting, lia	bility insu	rance, veh	icle cost, offi	ce expens	se)			20.00	
	Real Estate Opportunity	Gravity	(State)	\$5,365 per	acre @ 4.0	00%			214.60	
Ì	Real Estate Taxes			\$5,365 per	acre @ 1.0	00%			53.65	
	Total Cost per Acre Includ	ling Over	head						\$1,005.00	
Ì	Cost per Bushel								\$ 4.47	
Ì	Cash Cost per Bushel								\$ 3.13	

2013 Budget 15. Corn, No-Till, Bt ECB and RW, Continuous, 235 bu Yield Goal (220 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 Acre-inches

				Fuel @	Rep	airs	Owne	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
6	Spray	Custom								
7	Spray	Custom								
8	PivotD 125' Lift	9 ai	6.25	67.22	2.94	18.68	4.26	11.17	110.52	
9	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
10	Cart	220 bu	1.42	1.82	0.29	0.16	1.50	4.65	9.84	
11	Truck	Custom								
12		Custom								
	Total for Field Operations	<u> </u>	\$18.11	\$80.42	\$10.35	\$25.87	\$24.65	\$26.95	\$186.35	
					Percent	Appl	ication			
				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	2.63	0.79	
	Glyphosate w/Surf	Herbicio		2	20%	32	ounces	0.13	0.80	
	21-0-0-24S	Additive		2	20%	1.7	pounds	0.30	0.10	
	82-0-0	Fertilize		2	100%	220	lbs N	0.56	123.20	
	Lumax EZ	Herbicio	de	3	100%	2.7	quarts	17.75	47.93	
	Corn Bt ECB&RW	Seed		4	80%	0.39	bag	250.00	78.00	
	Corn	Seed		4	20%	0.39	bag	200.00	15.60	
	*Regent 4 SC	Insectic		4	20%	4.16	ounces	8.70	7.24	
	10-34-0	Fertilize		4	100%	6	gallons	3.35	20.10	
	Distinct NIS	Herbicio		5	50% 50%	4	ounces	0.45	0.91 0.47	
	32-0-0 (Q)	Additive Fertilize		5	50%	6	ounces	0.16		
	*Spray	Custom		6	32%	1	quart	0.49 6.00	0.24 1.92	
	*Lorsban 15 G	Insectic		6	2%	5	acre pounds	2.50	0.25	
							-			
	*Brigade 2EC	Insectic		6	10%	5.12	ounces	0.86	0.44	
	*Mustang Max EC	Insectic		6 7	20% 40%	1	ounces	1.84 6.00	0.73 2.40	
	Spray Headline	Custom Fungicio		7	40%	10	i	3.52	14.06	
	Haul Grain bu	Custom		11	100%		ounces bushels	0.12	26.40	
	Dry 4 Points Removed	Custom		12	100%	220	bushels	0.12	52.80	
		+				-				
	Scouting Irrigated Corn	Scouting Crop In		_	100% 100%	1	acre	10.00	10.00	
	Corn Irrigated Total Materials and Service	Crop In		 per acre, 80,		1 1 20% r	acre	37.00	37.00 \$441.38	
	*Insecticides for rootworm (refug					<u>U'</u>		nd spider mi		
	Total Listed Costs for Field							1		
	Interest on Oper					% for 6 =	nonthe		\$627.73 14.40	
	Total Operating and Use-I				13C @ 3.00	70 101 0 II	10111118		\$642.13	
									φυ42.13	
	Overhead (accounting, lial	, 							20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per					233.40	
	Real Estate Taxes	1		\$5,835 per	acre @ 1.0	J0% 			58.35	
	Total Cost per Acre Includ	ing Overl	nead						\$953.88	
	Cost per Bushel								\$ 4.34	
	Cash Cost per Bushel								\$ 2.95	

2013 Budget 16. Corn, No-Till, Refuge-In-A-Bag, Continuous, 250 bu Yield Goal (235 bu Actual Yield)

Pivot Irrigated, 800 GPM 35 PSI, 9 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	T: 110	Times	Labor @	\$3.50	D	,		, .	m . 1	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Spray	0.25	0.25	0.12	0.05	0.18	0.26	0.21	1.07	
6	Spray	Custom								
7	Spray	Custom								
8	PivotD 125' Lift	9 ai	6.25	67.22	2.94	18.68	4.26	11.17	110.52	
9	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
10	Cart	235 bu	1.52	1.95	0.31	0.17	1.60	4.96	10.51	
11	Truck	Custom								
12		Custom								
	Total for Field Operations		\$18.21	\$80.55	\$10.37	\$25.88	\$24.75	\$27.26	\$187.02	
					Percent	Appli	cation			
				Operation	Acres	_		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbici		1	20%	1.5	pints	2.63	0.79	
	Glyphosate w/Surf	Herbici	de	4	20%	32	ounces	0.13	0.80	
	21-0-0-24S	Additive	2	2	20%	1.7	pounds	0.30	0.10	
	82-0-0	Fertilize	r	2	100%	240	lbs N	0.56	134.40	
	Lumax EZ	Herbici	de	3	100%	2.7	quarts	17.75	47.93	
	Corn Refuge-In-A-Bag	Seed		4	100%	0.42	bag	325.00	136.50	
	10-34-0	Fertilize	r	4	100%	6	gallons	3.35	20.10	
	Glyphosate w/Surf	Herbici	de	5	50%	32	ounces	0.13	2.00	
	21-0-0-24S	Additive	2	5	50%	1.7	pounds	0.30	0.26	
	Status	Herbici	de	5	50%	2.5	ounces	3.50	4.38	
	Spray	Custom		6	10%	1	acre	6.00	0.60	
	Brigade 2EC	Insectic		6	10%	5.12	ounces	0.86	0.44	
	Spray	Custom		7	40%	1	acre	6.00	2.40	
	Headline	Fungici		7	40%	10	ounces	3.52	14.06	
	Haul Grain bu	Custom		11	100%	235	bushels	0.12	28.20	
	Dry 4 Points Removed	Custom		12	100%	235	bushels	0.12	56.40	
	Scouting Irrigated Corn	Scouting		_	100%	1	acre	10.00	10.00	
	Corn Irrigated	Crop In			100%	1	acre	37.00	37.00	
	Total Materials and Service			ls per acre, 8				37.00	\$496.36	
						<u> </u>				
	Total Listed Costs for Field					0/ 6 6	.1		\$683.38	
	Interest on Opera				ise @ 5.00	% for 6 n	nonths		15.78	
	Total Operating and Use-R								\$699.16	
	Overhead (accounting, liab	 							20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per					233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.	00%			58.35	
	Total Cost per Acre Includi	ing Overl	nead						\$1,010.05	
	Cost per Bushel								\$ 4.30	
	Cash Cost per Bushel								\$ 3.00	

2013 Budget 17. Corn, Bt ECB and RW, Continuous, 225 bu Yield Goal (210 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 13 Acre-inches

				Fuel @	Rep	airs	Owne	ership		
	E' 110	Times	Labor @	\$3.50	D	.	D	T .	T . 1	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Row Crop Cultivation	0.25	0.45	0.28	0.10	0.17	0.53	0.62	2.15	
8	Spray	Custom								
9	Spray	Custom								
10	PivotD 125' Lift	13 ai	9.03	97.09	4.25	26.98	6.15	16.14	159.64	
11	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
12	Cart	210 bu	1.36	1.74	0.28	0.15	1.43	4.44	9.40	
13	Truck	Custom								
14	Dry Grain	Custom	1 = 0	=	0.1-	6.22		1.50	2.22	
15	Chop Stalks	1	1.78	1.87	0.15	0.32	3.11	1.60	9.03	
	Total for Field Operations		\$27.92	\$118.52	\$12.52	\$36.62	\$38.41	\$37.77	\$271.76	
					Percent	Appli	cation			
				Operation	Acres	1177		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	2	100%	210	lbs N	0.56	117.60	Bottimete
	Balance Flexx	Herbicio		4	100%	4	ounces	5.50	22.00	
	Bicep II Magnum	Herbicio		4	100%	2.1	quarts	13.25	27.83	
	10-34-0	Fertilize		5	100%	6	gallons	3.35	20.10	
	Corn Bt ECB & RW	Seed	1	5	80%	0.38	bag	250.00	76.00	
	Corn	Seed		5	20%	0.38	bag	200.00	15.20	
	Regent 4 SC	Insectic	ide	5	20%	4.16	ounces	8.70	7.24	
	*Spray	Custom		8	32%	1	acre	6.00	1.92	
	*Lorsban 15 G	Insectic		8	2%	5	pounds	2.50	0.25	
	*Brigade 2 EC	Insectic		8	10%	5.12	ounces	0.86	0.44	
	*Mustang Max EC	Insectic		8	20%	2	ounces	1.84	0.73	
	Spray	Custom		9	40%	1	acre	6.00	2.40	
	Headline	Fungicio		9	40%	10	ounces	3.52	14.06	
	Haul Grain bu	Custom		13	100%	210	bushels	0.12	25.20	
	Dry 4 Points Removed	Custom		14	100%	210	bushels	0.24	50.40	
	Scouting Irrigated Corn	Scouting		_	100%	1	acre	10.00	10.00	
	Corn Irrigated	Crop In		_	100%	1	acre	37.00	37.00	
	Total Materials and Service			per acre, 80,				27.00	\$428.37	
	*Insecticides for rootworm (refuge			•				and spider		lv
	insecticides for rootworm (refugi	,, 11131 0100	d Luropean (torii borci (107	0 Of Teruge),	Western bea	iii cutworiii,	and spider	inites, respective	19.
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$700.13	
	Interest on Opera					% for 6 m	onths		15.60	
	Total Operating and Use-R	<u> </u>							\$715.73	
									Ψ/15./5	
	Overhead (accounting, liab			1					20.00	
	Real Estate Opportunity	Pivot (S	State)	\$5,835 per	acre @ 4	.00%			233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1	.00%			58.35	
	Total Coat man A and In also di	na Overl	nead						\$1,027.48	
	Total Cost per Acre Includ	ing Overi	icaa							
	Cost per Bushel	ing Overi	icaa						\$ 4.89	

2013 Budget 18. Corn, Refuge-In-A-Bag, Continuous, 240 bu Yield Goal (225 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 13 Acre-inches

		T.	110	Fuel @	Rep	pairs	Own	ership		V
	Field Operations	Times or Qty	Labor @ \$20/Hr	\$3.50 and Lube	Power	Ітр.	Power	Ітр.	Total	Your Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Row Crop Cultivation	0.25	0.45	0.28	0.10	0.17	0.53	0.62	2.15	
8	Spray	Custom								
9	Spray	Custom								
10	PivotD 125' Lift	13 ai	9.03	97.09	4.25	26.98	6.15	16.14	159.64	
11	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
12	Cart	225 bu	1.46	1.86	0.30	0.17	1.53	4.75	10.07	
13	Truck	Custom								
14	Dry Grain	Custom								
15	Chop Stalks	1	1.78	1.87	0.15	0.32	3.31	1.60	9.03	
	Total for Field Operations		\$28.02	\$118.64	\$12.54	\$36.64	\$38.51	\$38.08	\$272.43	
		1			Percent	Appli	cation			
				Operation	Acres	119911		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	2	100%	230	lbs N	0.56	128.80	Estimate
	Balance Flexx	Herbici		4	100%	4	ounces	5.50	22.00	
	Bicep II Magnum	Herbici		4	100%	2.1	quarts	13.25	27.83	
	10-34-0	Fertilize		5	100%	6	gallons	3.35	20.10	
	Corn Refuge-In-A-Bag	Seed	.1	5	100%	0.41	bag	325.00	133.25	
		Custom		8	100%	1.00	acre	6.00	0.60	
	Spray Brigade 2EC	Insectic		8	10%	5.12	 	0.86	0.60	
	Spray	Custom		9	40%		ounces	6.00	2.40	
	Headline	-		9	40%	10	acre	3.52		
	Haul Grain bu	Fungicio Custom		13	100%	10 225	bushels		14.06 27.00	
	Dry 4 Points Removed	Custom		13	100%	225	bushels	0.12 0.24	54.00	
	Scouting Irrigated Corn	Scouting		14	100%	1	 	10.00	10.00	
	Corn Irrigated	Crop In			100%	1	acre acre	37.00	37.00	
	Total Materials and Service			ls per acre, 8	<u> </u>			37.00	\$477.48	
	Total Materials and Service		71,200 300	is per acre, e	10,000 pc1	Dag, 5 70	iciuge		Ψ177.10	
	Total Listed Costs for Field	l Operati	ons and M	aterials and	Services				\$749.91	
	Interest on Opera	ting Cap	ital \$673.3	2 cash expen	se @ 5.00	% for 6 m	nonths		16.83	
	Total Operating and Use-R								\$766.74	
	Overhead (accounting, liab	sility incu	rance vehi	cle cost offi	ce evnens	۵)			20.00	
	Real Estate Opportunity	Pivot (S		\$5,835 per					233.40	
	Real Estate Taxes	11000 (3	tate)	\$4,835 per					58.35	
		ng Over	and	φ 4 ,055 per	acit @ 1.	0070			\$1,078.49	
	Total Cost per Acre Includ Cost per Bushel	ing Overi	ıcau						\$ 4.79	
	Cash Cost per Bushel								\$ 3.33	

2013 Budget 19. Corn, No-Till, Bt ECB, after Beans, 240 bu Yield Goal (225 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
4	Spray	0.5	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
5	Spray	Custom								
6	Spray	Custom					İ			
7	PivotD 125' Lift	9 ai	6.25	67.22	2.94	18.68	4.26	11.17	110.52	
8	Combine Irr Corn	1	3.14	6.04	5.93	1.40	9.13	4.24	29.88	
9	Cart	225 bu	1.46	1.86	0.30	0.17	1.53	4.75	10.07	
10	Truck	Custom								
11	Dry Grain	Custom								
	Total for Field Operations		\$18.20	\$80.87	\$10.37	\$25.92	\$24.74	\$27.09	\$187.19	
	·	ı			I			ı		
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize		1	100%	180	lbs N	0.56	100.80	
	Lumax EZ	Herbici		2	100%	2.7	quarts	17.75	47.93	
	Gramoxone Inteon	Herbici		2	100%	1.5	pints	4.75	7.13	
	NIS	Additive		2	100%	6	ounces	0.16	0.94	
	10-34-0	Fertilize	r	3	100%	6	gallons	3.35	20.10	
	Corn Bt ECB	Seed		3	80%	0.41	bag	230.00	75.44	
	Corn	Seed		3	20%	0.41	bag	200.00	16.40	
	Laudis	Herbici		4	50%	3	ounces	5.57	8.36	
	Crop Oil Concentrate	Additive		4	50%	1	pint	1.04	0.52	
	32-0-0 (Q)	Fertilize		5	50%	1	quart	0.49	0.24	
	*Spray	Custom		5	34%	1	acre	6.00	2.04	
	*Lorsban 15 G	Insectic		5	2%	5	pounds	2.50	0.25	
	*Brigade 2 EC	Insectic		5	2%	2.5	ounces	0.86	0.04	
	*Brigade 2 EC	Insectic		5	10%	5.12	ounces	0.86	0.44	
	*Mustang Max EC	Insectic		5	20%	2	ounces	1.84	0.73	
	Spray	Custom		6	25%	1	acre	6.00	1.50	
	Headline	Fungici		6	25%	10	ounces	3.52	8.79	
	Haul Grain bu	Custom		10	100%	225	bushels	0.12	27.00	
	Dry 4 Points Removed	Custom		11	50%	225	bushels	0.24	27.00	
	Scouting Irrigated Corn	Scoutin		_	100%	1	acre	10.00	10.00	
	Corn Irrigated	Crop In		_	100%	1	acre	37.00	37.00	
	Total Materials and Service	es :	32,800 seed	ls per acre, 8	30,000 per	bag, 20%	refuge		\$392.65	
	*Insecticide for first brood Europe	an corn bo	er (10% of re	efuge), spider m	nites and wes	stern bean c	utworm, res	pectively.		
	Total Listed Costs for Field							\$579.84		
	Interest on Opera			ise @ 5.00	% for 6 m	nonths		13.20		
	Total Operating and Use-R	elated O	wnership (Costs					\$593.04	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expens	e)			20.00	
	Real Estate Opportunity	Pivot (S		\$5,835 per					233.40	
	Real Estate Taxes	11.00(0	/	\$5,835 per					58.35	
	Total Cost per Acre Includi	ing Overl	nead	, ,,,,,,,, per			,		\$904.79	
	Cost per Bushel	<u>5</u> 0 (01)	1044						\$ 4.02	
	Cash Cost per Bushel								\$ 2.66	
	Sacri Coor per Duoner								Ψ 2.00	

2013 Budget 20. Corn Silage, No-Till following Corn (26 ton Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 12 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spread Manure	Custom								
3	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
4	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
5	Hoe	0.1								
6	PivotD 125' Lift	12 ai	8.33	89.62	3.92	24.90	5.68	14.89	147.34	
7	Spray	Custom								
8	Chop Silage	Custom								
	Total for Field Operations		\$15.18	\$95.13	\$5.02	\$30.21	\$14.97	\$21.40	\$181.91	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	2,4-D Ester 4#	Herbicio	de	1	100%	1	pint	2.63	2.63	
	Uncomposted Manure	Fertilize	r	2	100%	20	tons	1.00	20.00	
	Haul & Apply Manure	Custom		2	100%	20	tons	6.00	120.00	
	Bicep II Magnum	Herbicio	de	4	100%	1.4	quarts	13.25	18.55	
	Corn	Seed		4	100%	0.43	bag	200.00	86.00	
	Regent 4 SC	Insectic	ide	4	100%	4.16	ounces	8.70	36.19	
	*Spray	Custom		5	50%	1	acre	6.00	3.00	
	*Distinct	Herbicio	de	5	50%	4	ounces	0.45	0.91	
	*NIS	Additive	2	5	50%	6	ounces	0.16	0.47	
	*32-0-0 (Q)	Fertilize	r	5	50%	1	quart	0.49	0.24	
	*Aerial Spray	Custom		7	15%	1	acre	8.00	1.20	
	*Brigade 2 EC	Insectic	ide	7	10%	2.5	ounces	0.86	0.21	
	*Mustang Max EC	Insectic	ide	7	5%	2	ounces	1.84	0.18	
	Chop, Haul, Pack	Custom		8	100%	25	tons	8.00	200.00	
	Scouting Irrigated Corn	Scouting		_	100%	1	acre	10.00	10.00	
	Corn Irrigated	Crop In		_	100%	1	acre	37.00	37.00	
	Total Materials and Servic	<u> </u>		ls per acre, 8	0,000 per	bag			\$536.58	
	*Insecticide for rootworm, first ar						espectively.			
	Total Listed Costs for Field	Oporati	one and M	atorials and	Sarvicas				\$718.49	
						0/ fa:: (
	Interest on Opera				ise @ 5.00	% ior 6 m	ionths		17.05	
	Total Operating and Use-I	kelated O	wnership (osts					\$735.54	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expens	e)			20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per	acre @ 4.	00%			233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.	00%			58.35	
	Total Cost per Acre Includ	ing Overl	nead						\$1,047.29	
	Cost per Ton								\$ 40.28	
	Cash Cost per Ton								\$ 29.14	

2013 Budget 21. Dry Beans, Conventional with Wheat Cover Crop (25 cwt Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 8 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
2	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
3	Spray (on disc)	1	0.33		0.03	0.10	0.62	0.63	1.71	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Hoe	1	1.50	1.01	0.13	0.51	2.79	0.40	6.34	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
8	PivotE 125' Lift	8 ai	5.56	29.31	2.23	16.60	4.04	9.93	67.67	
9	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
10	Aerial Spray	Custom								
11	Aerial Spray	Custom								
12	Pickett Windrowers	1	2.75	3.06	0.57	0.63	2.90	2.59	12.50	
13	Combine Irr Dry Beans	1	4.40	8.45	8.31	0.24	12.78	5.28	39.46	
14	Truck	Custom								
15		1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
	Total for Field Operations		\$28.86	\$54.95	\$13.64	\$29.14	\$42.98	\$28.76	\$198.33	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Outlook	Herbicio	le le	3	100%	14	ounces	1.62	22.64	
	Prowl H ₂ O	Herbicio		3	100%	2	pints	6.00	12.00	
	2						_			
	Edible Beans	Seed		4	100%	0.5	acre	55.20	27.60	
	10-34-0-1Z	Fertilize		4	100%	7	gallons	3.65	25.55	
	32-0-0	Fertilize	r	4	100%	7	lbs N	0.69	4.82	
	Electricity Fixed	Other	1	8	100%	1	acre	28.36	28.36	
	Basagran	Herbicio		9	60%	1	pint	15.00	9.00	
	Raptor *Aerial Spray	Herbicio		10	60% 60%	4	ounces	4.30 8.00	10.31 4.80	
	*Warrior II/Zeon	Custom		10	60%	1.92	acre			
		1					ounces	3.91	4.50	
	Aerial Spray	Custom		11	100%	1	acre	8.00	8.00	
	Copper Headline	Fungicio		11 11	100% 100%	2	pints	4.50 3.52	9.00 21.09	
	Haul Grain (Dry Beans)	Fungicio				6	ounces			
		Custom Seed		14	100%	25	cwt	0.28	7.00	
	Wheat Scouting Drybeans	Scouting	n .	15	100%	30	pounds	0.25 12.00	7.50 12.00	
	Drybeans	Crop In		_	100%	1	acre	61.00	61.00	
	Total Materials and Servic			ection fee 6			acre		\$275.17	
	*Insecticide for Mexican bean bee				monuis e	9 \$72.00/1	11011111 13.	acies	\$4/3.1/	
	Insection for interioring sources	tio tilla West	crir ocurr out.	(1070).						
	Total Listed Costs for Field	l Operation	ons and M	aterials and	Services				\$473.50	
	Interest on Opera	ating Cap	ital \$401.70	6 cash expen	se @ 5.00	% for 6 m	nonths		10.04	
	Total Operating and Use-F								\$483.54	
	Overhead (accounting, liab	vility incr	rance wah:	cle cost off	CA AVDODO	a)			20.00	
	Real Estate Opportunity		anhandle)	\$2,535 per					101.40	
	Real Estate Taxes	FIVOL (Pa	amiamue)							
				\$2,535 per	acre @ 1.0	JU%			25.35	
	Total Cost per Acre Includ	ing Overl	nead						\$630.29	
	Cost per cwt								\$ 25.21	
	Cash Cost per cwt								\$ 17.49	

2013 Budget 22. Dry Beans Conventional Using Canal Water (25 cwt Actual Yield) Gravity Irrigated, 7 Acre-inches

Field Operations					Fuel @	Rep	airs	Own	ership		
Field Operations			Times	Labor @	!						Your
Chop Stalks		Field Operations	1		1	Power	Ітр.	Power	Ітр.	Total	
2 Disc 2 4.03 6.12 0.34 1.79 7.49 1.73 21.50	1		 								
Spray (on disc)	2		2	4.03	6.12	0.34	1.79	7.49	1.73	21.50	
Field Cultivation	-		+								
Second	4		1		2.20						
Real Estate Opportunity 1	5	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
Second 1 3.13 2.52 0.65 0.91 3.30 5.51 16.02	6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
Ditch Irrigation 10 ai 32.41	7	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
10 Aerial Spray Custom	8	Corrugate	1	3.13	2.52	0.65	0.91	3.30	5.51	16.02	
11 Acrial Spray	9	Ditch Irrigation	10 ai	32.41						32.41	
12 Pickett Windrowers 1 2.75 3.06 0.57 0.63 2.90 2.59 12.50 13 Combine Irr Dry Beans 1 4.40 8.45 8.31 0.24 12.78 5.28 39.46 14 Truck Custom	10		Custom								
13 Combine Irr Dry Beans 1 4.40 8.45 8.31 0.24 12.78 5.28 39.46 14 Truck Castom 5 15 Chisel 1 1.98 3.00 0.17 0.95 3.68 5.15 14.93			Custom								
14 Truck	-		1				0.63				
15 Chise 1 1.98 3.00 0.17 0.95 3.68 5.15 14.93 Total for Field Operations \$58.36 \$30.45 \$11.64 \$10.92 \$43.39 \$29.28 \$184.04	-		- -	4.40	8.45	8.31	0.24	12.78	5.28	39.46	
Total for Field Operations			 								
Materials and Services	15	l .	1								
Materials and Services		Total for Field Operations		\$58.36	\$30.45	\$11.64	\$10.92	\$43.39	\$29.28	\$184.04	
Materials and Services						Porcont	Appli	cation			
Materials and Services					Operation		11/1		Applied		Your
Outlook Herbicide 3 100% 14 ounces 1.62 22.64 Prowl H,O Herbicide 3 100% 2 pints 6.00 12.00 Edible Beans Seed 5 100% 0.55 acre 55.20 30.36 10-34-0-1Z Fertilizer 5 100% 7 glans 3.65 25.55 32-0-0 Fertilizer 5 100% 7 lbs N 0.69 4.82 Spray Custom 6 100% 1 acre 6.00 6.00 Raptor Herbicide 6 60% 4 ounces 4.30 10.31 Basagran Herbicide 6 60% 1 pint 15.00 9.00 Aerial Spray Custom 10 60% 4.50 unces 8.00 4.80 Asana XL Insecticide 10 60% 4.5 ounces 8.80 8.00 Copper <td< td=""><td></td><td>Materials and Services</td><td></td><td></td><td>_</td><td></td><td>Rate</td><td>Unit</td><td></td><td>Total</td><td></td></td<>		Materials and Services			_		Rate	Unit		Total	
Prowl H ₂ O			Herbicio	de							Listinitute
Edible Beans Seed 5 100% 0.55 acre 55.20 30.36 10-34-0-1Z Fertilizer 5 100% 7 gallons 3.65 25.55 32-0-0 Fertilizer 5 100% 7 lbs N 0.69 4.82 Spray Custom 6 100% 1 acre 6.00 6.00 Raptor Herbicide 6 60% 4 ounces 4.30 10.31 Basagran Herbicide 6 60% 1 pint 15.00 9.00 Aerial Spray Custom 10 60% 1 acre 8.00 4.80 Asana XL Insecticide 10 60% 4.5 ounces 0.86 2.32 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Copper Fungicide 11 100% 2 pints 4.50 9.00 Headline Fungicide 11 100% 2 pints 4.50 9.00 Headline Fungicide 11 100% 6 ounces 3.52 21.09 Haul Grain (Dry Beans) Custom 14 100% 25 cwt 0.28 7.00 Scouting Drybeans Scouting - 100% 1 acre 12.00 12.00 Drybeans Crop Insurance - 100% 1 acre 61.00 61.00 Total Materials and Services \$429.93 Total Operating and Use-Related Ownership Costs \$438.86			!								
10-34-0-1Z Fertilizer 5 100% 7 gallons 3.65 25.55											
32-0-0 Fertilizer 5 100% 7 lbs N 0.69 4.82			<u>!</u>								
Spray Custom 6 100% 1 acre 6.00 6.00 Raptor Herbicide 6 60% 4 ounces 4.30 10.31 Basagran Herbicide 6 60% 1 pint 15.00 9.00 Aerial Spray Custom 10 60% 4.5 ounces 0.86 2.32 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Copper Fungicide 11 100% 2 pints 4.50 9.00 Headline Fungicide 11 100% 2 pints 4.50 9.00 Headline Fungicide 11 100% 6 ounces 3.52 21.09 Haul Grain (Dry Beans) Custom 14 100% 25 cwt 0.28 7.00 Scouting Drybeans Scouting - 100% 1 acre 12.00 12.00 Drybeans			!								
Raptor Herbicide 6 60% 4 ounces 4.30 10.31			+								
Basagran		- '	<u>!</u>					acre			
Aerial Spray			<u>!</u>				4				
Asana XL Insecticide 10 60% 4.5 ounces 0.86 2.32 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Copper Fungicide 11 100% 2 pints 4.50 9.00 Headline Fungicide 11 100% 6 ounces 3.52 21.09 Haul Grain (Dry Beans) Custom 14 100% 25 cwt 0.28 7.00 Scouting Drybeans Scouting - 100% 1 acre 12.00 12.00 Drybeans Crop Insurance - 100% 1 acre 61.00 61.00 Total Materials and Services \$245.89 \$245.89 \$245.89 Total Listed Costs for Field Operations and Materials and Services \$429.93 \$429.93 Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months 8.93 \$8.93 Total Operating and Use-Related Ownership Costs \$438.86 Overhead (accounting, liabili			Herbici	de	6	60%	1	pint	15.00	9.00	
Aerial Spray Custom 11 100% 1 acre 8.00 8.00		Aerial Spray	Custom		10	60%	1	acre	8.00	4.80	
Copper		Asana XL	Insectic	ide	10	60%	4.5	ounces	0.86	2.32	
Headline		Aerial Spray	Custom		11	100%	1	acre	8.00	8.00	
Headline			Fungici	de	11	100%	2	pints	4.50	9.00	
Haul Grain (Dry Beans) Custom 14 100% 25 cwt 0.28 7.00								1 *			
Scouting Drybeans Scouting - 100% 1 acre 12.00 12.00 Drybeans Crop Insurance - 100% 1 acre 61.00 61.00 Total Materials and Services \$245.89 Total Listed Costs for Field Operations and Materials and Services \$429.93 Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months 8.93 Total Operating and Use-Related Ownership Costs \$438.86 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23			†								
Drybeans Crop Insurance – 100% 1 acre 61.00 61.00 Total Materials and Services \$245.89 Total Listed Costs for Field Operations and Materials and Services \$429.93 Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months 8.93 Total Operating and Use-Related Ownership Costs \$438.86 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23		` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	! 								
Total Materials and Services \$245.89 Total Listed Costs for Field Operations and Materials and Services \$429.93 Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months 8.93 Total Operating and Use-Related Ownership Costs \$438.86 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23											
Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23		· · · · · · · · · · · · · · · · · · ·		Jarance	_	100 70	1	acre	01.00		
Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs Support		Total Materials and Servic	Co .							ΨΔ43.07	
Interest on Operating Capital \$357.26 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs Support		Total Listed Costs for Field	l Operati	ons and M	aterials and	Services				\$429.93	
Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23							% for 6 m	onths			
Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$580.86Cost per cwt\$23.23											
Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including OverheadCost per cwt\$580.86											
Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$580.86Cost per cwt\$23.23			 							20.00	
Total Cost per Acre Including Overhead \$580.86 Cost per cwt \$23.23		11 /	Gravity (1	Panhandle)	\$2,440 per	acre @ 4.0	00%			97.60	
Cost per cwt \$ 23.23		Real Estate Taxes			\$2,440 per	acre @ 1.0	00%			24.40	
Cost per cwt \$ 23.23		Total Cost per Acre Includ	ing Overl	nead						\$580.86	
			-							\$ 23.23	

2013 Budget 23. Dry Beans, Conventional Using Pumped Water (25 cwt Actual Yield) Pivot Irrigated, 7 Acre-inches

				Fuel @	Date		0,,,,,	ميدادنۍ		
		Times	Labor @	\$3.50	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate Estimate
1	Disc	2	4.03	6.12	0.34	1.79	7.49	1.73	21.50	
2	Chisel	1	1.98	3.00	0.17	0.95	3.68	5.15	14.93	
3	Spray (on disc)	1	0.33		0.03	0.10	0.62	0.63	1.71	
4	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
5	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
7	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
8	PivotE 125' Lift	7 ai	4.86	25.64	1.95	14.53	3.53	8.69	59.20	
9	Aerial Spray	Custom								
10	Aerial Spray	Custom								
11	Pickett Windrowers	1	2.75	3.06	0.57	0.63	2.90	2.59	12.50	
12	Combine Irr Dry Beans	1	4.40	8.45	8.31	0.24	12.78	5.28	39.46	
13	Truck	Custom								
	Total for Field Operations		\$25.90	\$51.70	\$12.79	\$24.22	\$40.31	\$30.86	\$185.78	
		T		I	ı			ı	Ι	
					Percent	Арри	cation			
	16			Operation	Acres	ъ.	***	Applied	m . 1	Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Outlook	Herbicio		3	100%	14	ounces	1.62	22.64	
	Prowl H ₂ O	Herbicio	de	3	100%	2	pints	6.00	12.00	
	Edible Beans	Seed		5	100%	0.55	acre	55.20	30.36	
	10-34-0-1Z	Fertilize	r	5	100%	7	gallons	3.65	25.55	
	32-0-0	Fertilize	r	5	100%	7	lbs N	0.69	4.82	
	Raptor	Herbicio	de	6	60%	4	ounces	4.30	10.31	
	Basagran	Herbicio	de	6	60%	1	pint	15.00	9.00	
	Electricity Fixed	Other		8	100%	1	acre	28.36	28.36	
	Aerial Spray	Custom		9	60%	1	acre	8.00	4.80	
	Asana XL	Insectic	ide	9	60%	4.5	ounces	0.86	2.32	
	Aerial Spray	Custom		10	100%	1	acre	8.00	8.00	
	Copper	Fungicio	le	10	100%	2	pints	4.50	9.00	
	Headline	Fungicio		10	100%	6	ounces	3.52	21.09	
	Haul Grain (Dry Beans)	Tungien	<u></u>	13	100%	25	cwt	0.28	7.00	
	Scouting Drybeans	Scouting	~	13	100%	1	-	12.00	12.00	
	Drybeans	<u> </u>		_			acre	 		
	· · · · · · · · · · · · · · · · · · ·	Crop In	surance	_	100%	1	acre	61.00	61.00	
	Total Materials and Service	es							\$268.25	
	Total Listed Costs for Field	l Operation	one and M	aterials and	Services				\$454.03	
	Interest on Oper				% for 6 m	onthe		9.57		
	Total Operating and Use-I			e J.00	/0 101 O II	10111113		\$463.60		
	Total Operating and Use-1	ciated O	whership	Cusis					φ 4 υ3.00	
	Overhead (accounting, lial	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity		anhandle)						101.40	
	Real Estate Taxes			\$2,535 per					25.35	
	Total Cost per Acre Includ	ing Overl	nead	1,200 Per					\$610.35	
	Cost per cwt	1044						\$ 24.41		
	Cash Cost per cwt								\$ 16.71	
	Cuoti Cool per ewi		Ψ 10./1	<u> </u>						

2013 Budget 24. Grain Sorghum, Conventional, 105 bu Yield Goal (95 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
	T' 11 0	Times	Labor @	\$3.50	D		, n		77 . 1	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
6	Row Crop Cultivation	0.25	0.45	0.28	0.10	0.17	0.53	0.62	2.15	
7	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
8	Spray	Custom								
9	Combine Dryland SG	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
10	Cart	95 bu	0.61	0.79	0.13	0.07	0.65	2.01	4.26	
11	Truck	Custom								
	Total for Field Operations		\$16.60	\$19.07	\$8.43	\$8.46	\$28.87	\$14.94	\$96.37	
					Percent	Appli	cation			
				Operation	Acres	14711		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	82-0-0	Fertilize	r	2	100%	100	lbs N	0.56	56.00	23000000
	10-34-0	Fertilize		4	100%	6	gallons	3.35	20.10	
	Lumax EZ	Herbicie		4	100%	2.7	quarts	17.75	47.93	
	AAtrex 4L	Herbici		4	100%	0.5	quart	4.75	2.38	
	Sorghum Safened/Insect	Seed	ac	4	100%	4	pounds	2.15	8.60	
	Husky	Herbicio	de	7	50%	11	ounces	0.83	4.55	
	21-0-0-248	Additive		7	50%	1	pound	0.30	0.15	
	*Aerial Spray	Custom		8	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic		8	15%	1.5	pints	6.25	1.41	
	Haul Grain bu	Custom		11	100%	95	bushels	0.23	11.40	
	Scouting Grain Sorghum	Scoutin		_	100%	1	acre	8.00	8.00	
	Grain Sorghum Dryland	Crop In		_	100%	1	acre	38.00	38.00	
	Total Materials and Service			l	10070	1	1 4010	20.00	\$199.72	
	*Treating greenbugs one year in 1		gs one in 20						Ψ1//./Δ	l
		,								
	Total Listed Costs for Field								\$296.09	
	Interest on Opera				ise @ 5.00	% for 6 n	onths		6.31	
	Total Operating and Use-I	Related O	wnership (Costs					\$302.40	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	2)			20.00	
	Real Estate Opportunity		(Southwest)	**\$875 per						
	Real Estate Opportunity Real Estate Taxes	Dryland ((Souniwest)	**\$875 per					35.00	
			1	\$8/5 per	r acre @ 1.	.00%			8.75	
	Total Cost per Acre Includ	ıng Overl	nead						\$366.15	
	Cost per Bushel								\$ 3.85 \$ 2.81	
	Cash Cost per Bushel									

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

2013 Budget 25. Grain Sorghum, No-Till, 125 bu Yield Goal (115 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
3	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
4	Spray	Custom								
5	Combine Dryland SG	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
6	Cart	115 bu	0.74	0.95	0.15	0.08	0.78	2.43	5.13	
7	Truck	Custom								
	Total for Field Operations		\$10.01	\$10.45	\$7.56	\$5.66	\$18.12	\$9.13	\$60.93	
		I			_	4 1'				
					Percent	Арри	cation	4 1. 1		***
	M-4:-1 1 C			Operation	Acres	D -4-	T T : 4	Applied	T-4-1	Your
	Materials and Services Glyphosate w/Surf	Herbicio	10	Index 1	Applied 100%	Rate 32	Unit	Price 0.13	<i>Total</i> 4.00	Estimate
	71			_			ounces			
	2,4-D Ester 4#	Herbicio		1	100%	1 7	pint	2.63	2.63	<u> </u>
	21-0-0-24\$	Additive Fertilize		1	100%	1.7	pounds	0.30	0.51	
	32-0-0			2	100%	120	lbs N	0.69	82.71	
	Lumax EZ	Herbicio		3	100%	2.7	quarts	17.75	47.93	
	AAtrex 4L	Herbicio		3	100%	0.5	quart	4.75	2.38	
	10-34-0	Fertilize	r	3	100%	6	gallons	3.35	20.10	
	Sorghum Safened/Insect	Seed		3	100%	4	pounds	2.15	8.60	
	Husky	Herbicio		4	50%	11	ounces	0.83	4.55	
	21-0-0-24S	Additive	<u> </u>	4	50%	1	pound	0.30	0.15	
	*Aerial Spray	Custom		4	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectici	de	4	15%	1.5	pints	6.25	1.41	
	Haul Grain bu	Custom		7	100%	115	bushels	0.12	13.80	
	Scouting Grain Sorghum	Scouting		_	100%	1	acre	8.00	8.00	
	Grain Sorghum Dryland	Crop In	surance	_	100%	1	acre	38.00	38.00	
	Total Materials and Service								\$235.97	
	*Treating greenbugs one year in 10), chinchbuş	gs one in 20.							
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$296.90	
	Interest on Opera					% for 6 m	onths		6.74	
	Total Operating and Use-R				3.00	, , , 101 0 11			\$303.64	
	Total Operating and Ose-N	ciated O	wher simp (ψυυυ.υ4	<u> </u>
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, office expense)					20.00	
	Real Estate Opportunity	Dryland	(State)	**\$1,740 p	er acre @	4.00%			69.58	
	Real Estate Taxes	·		**\$1,740 p	er acre @	1.00%	,		17.40	
	Total Cost per Acre Includi	ing Overl	nead						\$410.62	
	Cost per Bushel								\$ 3.57	
	Cash Cost per Bushel								\$ 2.55	

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

2013 Budget 26. Grain Sorghum, Ecofallow, after Wheat, 2 Crops in 3 Years, 115 bu Yield Goal (105 bu Actual Yield) Dryland

		m:	r 1 0	Fuel @	Rep	airs	Own	ership		
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Power	Luato	Power	Land	Total	Your Estimate
1	Field Operations	or Qty	1.00	0.48	0.21	<i>Imp.</i> 0.72	1.05	<i>Imp.</i> 0.84	4.30	Estimate
1	Spray									
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Spray No-Till Drill	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4		0.5	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
5	Spray Aerial Spray	_	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
7	Combine Dryland SG	Custom 1	3.38	6.50	6.39	0.62	0.02	1 50	28.30	
8	,	105 bu	3.36	0.30	0.39	0.62	9.83	1.58	20.30	
9	Cart Truck	Custom								
9			¢0.00	¢10.62	\$7.31	\$4.95	¢17.60	\$7.30	ΦΕ.C. 9.C	
	Total for Field Operations		\$9.08	\$10.62	\$7.31	\$4.95	\$17.60	\$7.30	\$56.86	
					Percent	Appli	cation			
				Operation	Acres	117		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	de	1	100%	32	ounces	0.13	4.00	
	2,4-D Ester 4#	Herbicio		1	100%	1	pint	2.63	2.63	
	21-0-0-24S	Additive	2	1	100%	2	pounds	0.30	0.60	
	AAtrex 4L	Herbicio	de	2	100%	1	quart	4.75	4.75	
	Gramoxone Inteon	Herbicio	de	2	100%	1.5	pints	4.75	7.13	
	32-0-0	Fertilize	r	3	100%	110	lbs N	0.69	75.82	
	Lumax EZ	Herbicio	de	3	100%	2.7	quarts	17.75	47.93	
	10-34-0	Fertilize	r	4	100%	6	gallons	3.35	20.10	
	Sorghum Safened/Insect	Seed		4	100%	4	pounds	2.15	8.60	
	Husky	Herbicio	de	5	50%	11	ounces	0.83	4.55	
	21-0-0-24S	Additive	2	5	50%	1	pound	0.30	0.15	
	*Aerial Spray	Custom		6	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic	ide	6	15%	1.5	pints	6.25	1.41	
	Haul Grain bu	Custom		9	100%	105	bushels	0.12	12.60	
	Scouting Grain Sorghum	Scouting	g	-	100%	1	acre	8.00	8.00	
	Grain Sorghum Dryland	Crop In	surance	_	100%	1	acre	38.00	38.00	
	Total Materials and Servic	es							\$237.47	
	*Treating greenbugs one year in 1	0, chinchbu	gs one in 20.							
	Total Listed Costs for Field Operations and Materials and Services									
	Interest on Operating Capital \$269.43 cash expense @ 5.00% for 6 months									
	Total Operating and Use-F	Related O	wnership (Costs					\$301.07	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland	(State)	**\$1,740 p	er acre @ 4	4.00%			69.58	
	Real Estate Taxes	,		**\$1,740 p					17.40	
	Total Cost per Acre Includ	ing Overl	nead	<u></u>			,		\$408.05	
	Cost per Bushel								\$ 3.89	
	Cash Cost per Bushel								\$ 2.80	

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

2013 Budget 27. Grain Sorghum, No-Till, Limited Irrigation, 165 bu Yield Goal (150 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50	100		0 1111	Cronip		Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Anhydrous Apply	1	2.59	3.01	0.22	0.73	4.81	3.07	14.43	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Spray	0.5	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
6	Aerial Spray	Custom	0.00	0,21	0,10	0.00	0,00	0,12	2,110	
7	PivotD 125' Lift	6 ai	4.17	44.81	1.96	12.45	2.84	7.45	73.68	
8	Combine Irr SG	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
9	Cart	150 bu	0.97	1.24	0.20	0.11	1.02	3.17	6.71	
10	Truck	Custom								
	Total for Field Operations	•	\$16.87	\$58.39	\$9.96	\$19.57	\$24.56	\$19.97	\$149.32	
	T	I			D .	A = = 1:	4:	l		Γ
				0	Percent	Арри	cation	A 1º 1		7.7
	Matariala and Camaiana			Operation	Acres	D -4-	77	Applied Price	T-4-1	Your
	Materials and Services Glyphosate w/Surf	Herbicio	1.	Index	Applied	Rate	Unit		Total	Estimate
	- / 1	Herbicio		1	100% 100%	32	ounces	0.13 2.63	4.00 2.63	
	2,4-D Ester 4# 21-0-0-24S	Additive		1		1 2	pint		0.60	
	82-0-0	Fertilize		2	100%		pounds lbs N	0.30		
	Lumax EZ	Herbicio		3	100%	150		0.56 17.75	84.00 47.93	
	AAtrex 4L	Herbicio		3	100%	2.7 0.5	quarts	4.75	2.38	
	10-34-0	Fertilize		4	100%	6	quart gallons	3.35	20.10	
	Sorghum Safened/Insect	Seed	1	4	100%	4	pounds	2.15	8.60	
	Husky	Herbicio		5	50%	11	ounces	0.83	4.55	
	21-0-0-248	Additive		5	50%	1	pound	0.30	0.15	
	*Aerial Spray	Custom		6	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic		6	15%	1.5	pints	6.25	1.41	
	Haul Grain bu	Custom		10	100%	150	bushels	0.12	18.00	
	Scouting Grain Sorghum	Scouting		_	100%	1	acre	8.00	8.00	
	Grain Sorghum Irrigated	Crop In		_	100%	1	acre	43.00	43.00	
	Total Materials and Service		ourune		100,0		4616	10.00	\$246.55	
	*Treating greenbugs one year in 1		gs one in 20.						Ψ=10.00	<u> </u>
	Total Listed Costs for Field								\$395.87	
	Interest on Opera	ating Cap	ital \$351.3	4 cash expen	se @ 5.00	% for 6 m	onths		8.78	
	Total Operating and Use-F	Related O	wnership (Costs					\$404.65	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Pivot (S	tate)	**\$4,085 p	er acre @	4.00%			163.38	
	Real Estate Taxes			**\$4,085 p					40.85	
	Total Cost per Acre Includ	ing Overl	nead	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					\$628.88	
	Cost per Bushel								\$ 4.19	
1	Cash Cost per Bushel								\$ 2.67	

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

2013 Budget 28. Grass, Fall Establishment Pivot Irrigated, 800 GMP 35 PSI, 2 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
3	Roll	1	2.22	2.44	0.51	0.02	2.58	0.27	8.04	
4	Grass Drill	1	3.67	2.88	0.76	8.40	3.86	6.39	25.96	
5	PivotD 125' Lift	2 ai	1.39	14.94	0.65	4.15	0.95	2.48	24.56	
6	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
	Total for Field Operations		\$12.34	\$26.74	\$2.58	\$14.19	\$15.68	\$10.90	\$82.43	
										, i
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Grass Seed	Seed		4	100%	1	acre	60.00	60.00	
	Grass Drill	Rental		4	100%	1	acre	10.00	10.00	
	11-52-0	Fertilize	r	6	100%	60	pounds	0.35	21.00	
	Total Materials and Service	es							\$91.00	
	Total Listed Costs for Field								\$173.43	
	Interest on Opera				se @ 5.00	% for 6 m	onths		3.67	
	Total Operating and Use-R	elated O	wnership (Costs					\$177.10	
	0 1 1/ (2 1) 1	*1*4 *	1 •	1		\			20.00	I
	Overhead (accounting, liab								20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per					233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.	00%			58.35	
	Total Cost per Acre Includi	ng Overl	nead						\$488.85	

2013 Budget 29. Grass Hay, Large Round Bales (2.2 ton Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50					_	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
2	Swath/Cond Hay	1	2.50	2.52	1.65		3.15		9.82	
3	Lg Rd Bale	2.2 ton	3.63	1.91	0.75	1.62	3.83	1.89	13.63	
4	Move Lg Rd Bale	2.2 ton	4.00	2.92	0.83		4.21	0.97	12.93	
	Total for Field Operations		\$11.70	\$8.57	\$3.59	\$1.62	\$13.02	\$2.86	\$41.36	
		1								
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	46-0-0	Fertilize	r	1	100%	40	lbs N	0.68	27.20	
	11-52-0	Fertilize	r	1	100%	15	pounds	0.35	5.25	
	Twine Lg Rd Bale	Other		3	100%	2.2	tons	0.99	2.18	
	Total Materials and Service	es							\$34.63	
	I									1
	Total Listed Costs for Field								\$75.99	
	Interest on Opera				se @ 5.009	6 for 6 m	onths		1.50	
	Total Operating and Use-R	Related O	wnership (Costs					\$77.49	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland		\$2,485 per					99.40	
	Real Estate Taxes	/	(2)	\$2,485 per					24.85	
	Total Cost per Acre Includ	ing Overl	nead						\$221.74	
	Cost per Ton								\$100.79	
	Cash Cost per Ton								\$ 39.30	

2013 Budget 30. Oats, No-Till, 90 bu Yield Goal (85 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
2	No-Till Drill	1	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
5	Truck	Custom								
_	Total for Field Operations	S	\$7.97	\$9.44	\$6.47	\$3.43	\$17.30	\$6.88	\$51.49	
					Percent	Appli	cation			
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	28-0-0	Fertilize	r	1	100%	100	lbs N	0.72	71.67	
	Oats	Seed		2	100%	2	bushels	9.00	18.00	
	10-34-0	Fertilize	r	2	100%	6	gallons	3.35	20.10	
	Aim 2EC	Herbici	de	3	100%	0.5	ounce	8.44	4.22	
	2,4-D Ester 4#	Herbici	de	3	100%	0.5	pint	2.63	1.31	
	NIS	Additive	2	3	100%	6	ounces	0.16	0.94	
	Haul Grain bu	Custom		5	100%	85	bushels	0.12	10.20	
	Oats	Crop In	surance	_	100%	1	acre	19.00	19.00	
	Total Materials and Service	ces							\$145.44	
	Total Listed Costs for Fiel	d Operati	ons and M	aterials and	Services				\$196.93	
	Interest on Oper	ating Cap	ital \$172.7	5 cash expen	se @ 5.00°	% for 6 m	onths		4.32	
	Total Operating and Use-	Related O	wnership (Costs					\$201.25	
	Overhead (accounting, lia	hility incu	rance vehi	cle cost off	ce evnence	2)			20.00	
	Real Estate Opportunity	Dryland	i (State)	\$2,485 per					99.40	
	Real Estate Taxes	<u> </u>	1	\$2,485 per	acre @ 1.0	10%			24.85	
	Total Cost per Acre Includ	iing Overl	nead						\$345.50	
	Cost per Bushel								\$ 4.06	
	Cash Cost per Bushel								\$ 2.38	

2013 Budget 31. Pasture, Grazing (11 AUM Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 18 Acre-inches

			Fuel @	Rep	airs	Own	ership		
	Times	Labor @	\$3.50						Your
Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
PivotD 125' Lift	18 ai	12.50	134.44	5.88	37.35	8.51	22.34	221.02	
Total for Field Operations		\$12.50	\$134.44	\$5.88	\$37.35	\$8.51	\$22.34	\$221.02	
	ı		I						
				Percent	Appli	cation			
			Operation	Acres			Applied	_	Your
Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
28-0-0	Fertilize	r	1	100%	220	lbs N	0.72	157.67	
Fence/Water Repairs	Other			100%	1	acre	2.00	2.00	
Fence/Water Repairs	Other			100%	1	acre	2.00	2.00	
Move Cattle	Other			100%	1	hour	12.00	12.00	
Total Materials and Service	es							\$173.67	
									ĭ
Total Listed Costs for Field								\$394.69	
Interest on Opera	ting Cap	ital \$363.8	4 cash exper	nse @ 5.00	% for 6 n	nonths		9.10	
Total Operating and Use-R	Related O	wnership (Costs					\$403.79	
0 1 1/ (1:1	1114	1 .	1 , CC		`			20.00	T
Overhead (accounting, liab								20.00	
Real Estate Opportunity	Pivot (S	tate)	\$5,835 per	acre @ 4.0	00%			233.40	
Real Estate Taxes			\$5,835 per	acre @ 1.0	00%			58.35	
Total Cost per Acre Includ	ing Overl	nead						\$715.54	
Cost per AUM								\$ 65.05	
Cash Cost per AUM								\$ 39.21	

2013 Budget 32. Millet, Stubble Mulch Fallow, followed by Wheat, 2 Crops in 3 Years, 22 cwt Yield Goal (22 cwt Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Fallow Master	1	1.47	2.31	0.13	0.41	2.72	0.89	7.93	
3	Rod Weeder	1	1.52	1.63	0.14	0.10	3.09	0.44	6.92	
4	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
5	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
7	Windrow Grain	1	2.50	1.65	1.65		3.15		8.95	
8	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
9	Truck	Custom								
	Total for Field Operations		\$15.19	\$15.75	\$9.02	\$6.74	\$26.31	\$7.45	\$80.46	
					Percent	Appli	cation			
				Operation	Acres	түри		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbici	de	1	100%	32	ounces	0.13	4.00	
	2,4-D Ester 4#	Herbici	de	1	100%	1.5	pints	2.63	3.94	
	21-0-0-24S	Additive	e	1	100%	1.7	pounds	0.30	0.51	
	28-0-0	Fertilize	r	4	100%	45	lbs N	0.72	32.25	
	Millet	Seed		5	100%	12	pounds	0.60	7.20	
	2,4-D Amine	Herbici	de	6	100%	0.75	pint	2.00	1.50	
	Dicamba	Herbici	de	6	100%	0.5	ounce	0.37	0.18	
	Haul Grain (Millet)	Custom		9	100%	22	cwt	0.24	5.28	
	Millet	Crop In	surance	_	100%	1	acre	24.00	24.00	
	Total Materials and Service	_			J				\$78.86	
	Total Listed Costs for Field								\$159.32	
	Interest on Opera				se @ 5.00	% for 6 m	nonths		3.14	
	Total Operating and Use-R	Related O	wnership (Costs					\$162.46	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland		\$2,485 per					99.40	
	Real Estate Taxes	7-33-20	(/	\$2,485 per					24.85	
	Total Cost per Acre Includ	ing Overl	nead	, , F					\$306.71	
	Cost per cwt	0 3							\$ 13.94	
	Cash Cost per cwt								\$ 6.98	
<u> </u>	300t p 0t								1	I.

2013 Budget 33. Sorghum-Sudan, Annually Planted, Large Round Bales (3.3 ton Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
4	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
5	Swath/Cond Hay	1	2.50	2.52	1.65		3.15		9.82	
6	Large Round Bale	3.3 ton	5.45	2.87	1.13	2.43	5.74	2.84	20.46	
7	Move Large Round	3.3 ton	6.00	4.39	1.24		6.32	1.45	19.40	
	Total for Field Operations		\$22.00	\$18.22	\$5.07	\$8.32	\$27.79	\$8.91	\$90.31	
		1								
					Percent	Appli	cation			
	Materials and Services			Operation Index	Acres	Data	Unit	Applied Price	Total	Your Estimate
	28-0-0	Fertilize		1naex 2	Applied	Rate	lbs N		28.67	Estimate
			r	_	100%	40		0.72		
	Sorghum Sudan	Seed		4	100%	10	pounds	1.30	13.00	
	Twine Lg Rd	Other		6	100%	3.3	tons	0.99	3.26	
	Total Materials and Service	es					,		\$44.93	
	Total Listed Costs for Field	Operation	one and M	atorials and	Sarvicas				\$135.24	
	Interest on Opera					for 6 ma	nthe		2.46	
	Total Operating and Use-R				2.007	101 0 1110	711113		\$137.70	
	Total Operating and Ose-N	ciated O	whership						\$137.70	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland	(State)	\$2,485 per	acre @ 4.0	00%			99.40	
	Real Estate Taxes			\$2,485 per	acre @ 1.0	00%			24.85	
	Total Cost per Acre Includ	ing Overl	nead						\$281.95	
	Cost per Ton								\$ 85.44	
	Cash Cost per Ton								\$ 38.14	

2013 Budget 34. Soybeans, Tilled Seeded, Roundup Ready $^{\tiny{(39)}}$ (39 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50					_	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
2	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
6	Aerial Spray	Custom								
7	Combine Dryland SB	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
8	Truck	Custom								
	Total for Field Operations		\$12.13	\$14.35	\$7.78	\$7.54	\$21.82	\$7.62	\$71.24	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Valor XLT	Herbicio	de	3	100%	4	ounces	4.69	18.75	
	RR Soybeans	Seed		4	100%	1	bag	50.00	50.00	
	Glyphosate w/Surf	Herbicio	de	5	100%	32	ounces	0.13	4.00	
	Select Max	Herbicio	de	5	100%	6	ounces	0.88	5.25	
	21-0-0-24S	Additive	2	5	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		6	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic	ide	6	20%	1.6	ounces	3.91	1.25	
	Haul Grain bu	Custom		8	100%	39	bushels	0.12	4.68	
	Scouting Dryland Soybeans	Scouting		_	100%	1	acre	10.00	10.00	
	Soybeans Dryland	Crop In	surance	_	100%	1	acre	23.00	23.00	
	Total Materials and Service	es							\$119.04	
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$190.28	
	Interest on Opera					7% for 6	months		4.02	
					.150 @ 5.00	0 /0 101 0	1110111113		\$194.30	
	Total Operating and Use-Related Ownership								Ψ17π.50	
	Overhead (accounting, liab	ance, vehi	cle cost, offic	ce expense	e)			20.00		
	Real Estate Opportunity	Dryland	(State)	\$2,485 per	acre @ 4.0	00%			99.40	
	Real Estate Taxes			\$2,485 per	acre @ 1.0	00%			24.85	
	Total Cost per Acre Includi	ng Overh	ead						\$338.55	
	Cost per Bushel								\$ 8.68	
	Cash Cost per Bushel								\$ 4.86	

2013 Budget 35. Soybeans, No-Till, Roundup Ready® after Corn (43 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Aerial Spray	Custom								
5	Combine Dryland SB	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
6	Truck	Custom								
	Total for Field Operations		\$8.64	\$9.48	\$7.48	\$5.92	\$15.36	\$5.86	\$52.74	
		Ι		I		A 1'				
				05	Percent	Арри	cation	1 1: - 1		V
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	Valor XLT	Herbicio		1	100%	4	ounces	4.69	18.75	Louilline
	2,4-D Ester 4#	Herbicio		1	100%	1	pint	2.63	2.63	
	Glyphosate w/Surf	Herbicio		1	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		1	100%	1.7	pounds	0.13	0.51	
	RR Soybeans	Seed		2	100%	1.7	bag	50.00	50.00	
	Glyphosate w/Surf	Herbicio		3	100%	32	ounces	0.13	4.00	
	Select Max	Herbicio		3	100%	6	ounces	0.13	5.25	
	21-0-0-24S	Additive		3	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		4	20%	1.7	acre	8.00	1.60	
	Warrior II/Zeon	Insectic		4	20%	1.6	ounces	3.91	1.25	
	Haul Grain bu	Custom		6	100%	43	bushels	0.12	5.16	
	Scouting Dryland Soybeans	Scouting		_	100%	1	acre	10.00	10.00	
	Soybeans Dryland	Crop In		_	100%	1	acre	23.00	23.00	
	Total Materials and Service			<u> </u>	10070	1	1 4010	22.00	\$126.66	
	Total Muterials and Sel vice								Ψ120.00	<u> </u>
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$179.40	
	Interest on Opera	ting Capi	tal \$153.0	2 cash exper	nse @ 5.00	% for 6 n	nonths		3.95	
	Total Operating and Use-R	elated Ov	wnership (Costs					\$183.35	
	Overhead (accounting, liab	rance, vehi	nce, vehicle cost, office expense)							
	Real Estate Opportunity	Dryland	l (State)	\$2,485 per	acre @ 4.	00%			99.40	
	Real Estate Taxes			\$2,485 per	acre @ 1.	00%			24.85	
	Total Cost per Acre Includi	ng Overh	nead						\$327.60	
	Cost per Bushel								\$ 7.62	
L	Cash Cost per Bushel							\$ 4.35		

2013 Budget 36. Soybeans, No-Till, Roundup Ready $^{\otimes}$ Continuous (39 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Aerial Spray	Custom								
5	Combine Dryland SB	1	3.38	6.50	6.39	0.62	9.83	1.58	28.30	
6	Truck	Custom								
	Total for Field Operations		\$8.64	\$9.48	\$7.48	\$5.92	\$15.36	\$5.86	\$52.74	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Valor XLT	Herbicio	de	1	100%	4	ounces	4.69	18.75	
	2,4-D Ester 4#	Herbicio	de	1	100%	1	pint	2.63	2.63	
	Glyphosate w/Surf	Herbicio	de	1	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	1	100%	1.7	pounds	0.30	0.51	
	RR Soybeans	Seed		2	100%	1	bag	50.00	50.00	
	Glyphosate w/Surf	Herbicio	de	3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	3	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		4	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic	ide	4	20%	1.6	ounces	3.91	1.25	
	Haul Grain bu	Custom		6	100%	39	bushels	0.12	4.68	
	Scouting Dryland Soybeans	Scouting	g	_	100%	1	acre	10.00	10.00	
	Soybeans Dryland	Crop In	surance	_	100%	1	acre	23.00	23.00	
	Total Materials and Service	es						'	\$120.93	
	Total Listed Costs for Field	Operation	one and M	aterials and	Services				\$173.67	
	Interest on Opera	*				% for 6 m	onths		3.81	
	1	0 1		1	3.00	70 101 0 111			\$177.48	
	Total Operating and Use-Related Ownership			20313					Ψ1//.10	
	Overhead (accounting, liability insurance, vel			cle cost, offic	ce expense	!)			20.00	
	Real Estate Opportunity	Dryland	l (State)	\$2,485 per	acre @ 4.	00%			99.40	
	Real Estate Taxes			\$2,485 per	acre @ 1.	00%			24.85	
	Total Cost per Acre Includi	ng Overh	nead						\$321.73	
	Cost per Bushel								\$ 8.25	
	Cash Cost per Bushel								\$ 4.64	

2013 Budget 37. Soybeans, Tilled Seedbed, Roundup Ready® after Corn (62 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 9 Acre-inches

		Times	Labor @	Fuel @	Rep	airs	Own	ership		Your
	Field Operations	or Qty	\$20/Hr	\$3.50	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Disc	1	2.02	and Lube 3.06	0.17	0.89	3.74	0.87	10.75	Limit
2	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Plant	1	3.26	1.63	0.67	3.86	3.43	2.60	15.45	
5	PivotD 125' Lift	9 ai	6.25	67.22	2.94	18.68	4.26	11.17	110.52	
6	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
7	Aerial Spray	Custom								
8	Aerial Spray	Custom								
9	Combine Irr SB	1	3.67	7.04	6.92	0.74	10.65	1.58	30.60	
10	Truck	Custom								
	Total for Field Operations	•	\$18.67	\$82.11	\$11.25	\$26.34	\$26.90	\$18.79	\$184.06	
					Percent	Appli	cation	A 1 · 1		77
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	Valor XLT	Herbicio	10	3	100%	4	ounces	4.69	18.75	Estimate
	RR Soybeans	Seed	ii C	4	100%	1.1	bags	50.00	55.00	
	Glyphosate w/Surf	Herbicio		6	100%	32	ounces	0.13	4.00	
	Select Max	Herbicio		6	100%	6	ounces	0.13	5.25	
	21-0-0-24S	Additive		6	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		7	20%	1.7	acre	8.00	1.60	
	Warrior II/Zeon	Insectic		7	20%	1.6	ounces	3.91	1.25	
	Aerial Spray	Custom		8	50%	1	acre	8.00	4.00	
	Headline	Fungicio		8	50%	6	ounces	3.52	10.55	
	Haul Grain bu	Custom		10	100%	62	bushels	0.12	7.44	
	Scouting Irrigated SB	Scouting		_	100%	1	acre	10.00	10.00	
	Soybeans Irrigated	Crop In		_	100%	1	acre	33.00	33.00	
	Total Materials and Service	es		I					\$151.35	
	Total Listed Costs for Field								\$335.41	
	Interest on Opera	<u> </u>			ise @ 5.00	% for 6 n	nonths		7.24	
	Total Operating and Use-R	wnership (Costs					\$342.65		
	Overhead (accounting, liab	rance vehi	cle cost offi	ce expens	a)			20.00		
	Real Estate Opportunity	Pivot (S		\$5,835 per					233.40	
	Real Estate Taxes	11101 (3	()	\$5,835 per					58.35	
	Total Cost per Acre Includ	ing Overl	202d	φ3,633 per	acic w 1.	70			\$654.40	
	Cost per Bushel	ing Overi	ıcau						\$ 10.55	
	Cash Cost per Bushel								\$ 10.33	
	Casii Cost per dustiei								\$ 3./3	

2013 Budget 38. Soybeans, Ridge-Till, Roundup Ready® after Roundup Ready® Corn (62 bu Actual Yield)

Gravity Irrigated, 1,000 GPM 10 PSI, 12 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Imp.	Power	Ітр.	Total	Estimate
1	Spray	0.2	0.20	0.10	0.04	0.14	0.21	0.17	0.86	
2	Ridge Plant	1	3.38	2.11	0.29	4.18	6.28	2.66	18.90	
3	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
4	Ridge Cultivation	1	1.82	1.95	0.17	0.30	3.71	1.09	9.04	
5	PivotD 125' Lift	12 ai	23.33	65.04	3.14	2.28	5.33	4.05	103.17	
6	Spray	0.5	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
7	Aerial Spray	Custom								
8	Aerial Spray	Custom								
9	Combine Irr SB	1	3.67	7.04	6.92	0.74	10.65	1.58	30.60	
0	Truck	Custom								
	Total for Field Operations		\$34.72	\$78.43	\$10.83	\$8.30	\$30.42	\$11.06	\$173.76	
		1				, 10	,. I			
				05 (Percent	Appli	cation	1 - 1 - 1		V
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
	2,4-D Ester 4#	Herbicio			20%			2.63	0.53	Estimate
	Valor XLT	Herbicio		2	33%	4	pint	4.69	6.19	
			ile				ounces			
	RR Soybeans	Seed Herbicio	1	2	100%	1.1	bags	50.00	55.00	
	Glyphosate w/Surf			6	50%	32	ounces	0.13	2.00	
	21-0-0-24\$	Additive		6	50%	1.7	pounds	0.30	0.26	
	Select Max	Herbicio		6	40%	6	ounces	0.88	2.10	
	Crop Oil Concentrate	Additive		6	40%	2	pints	1.04	0.83	
	Aerial Spray	Custom		7	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic		7	20%	1.6	ounces	3.91	1.25	
	Aerial Spray	Custom		8	50%	1	acre	8.00	4.00	
	Headline	Fungicio		8	50%	6	ounces	3.52	10.55	
	Haul Grain bu	Custom		10	100%	62	bushels	0.12	7.44	
	Scouting Irrigated SB	Scouting		_	100%	1	acre	10.00	10.00	
	Soybeans Irrigated	Crop In	surance	_	100%	1	acre	33.00	33.00	
	Total Materials and Service	S							\$134.75	
	Total Listed Costs for Field	Operatio	ns and Ma	terials and	Services			I	\$308.51	
	Interest on Operation					% for 6 m	onths		6.68	
	Total Operating and Use-Re				3.00	0 101 0 111			\$315.19	
	Total Operating and Ost-10	iicionip C						Ψυ1υ.1)		
	Overhead (accounting, liabi	lity insur	ance, vehic	le cost, offic	e expense))			20.00	
	Real Estate Opportunity	Gravity	(State)	\$5,365 per a	acre @ 4.0	0%			214.60	
	Real Estate Taxes	\$5,365 per acre @ 1.00%					53.65			
	Total Cost per Acre Includi						\$603.44			
Cost per Bushel									\$ 9.73	
								I		

2013 Budget 39. Soybeans, No-Till Narrow Row, Roundup Ready® after Corn (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	R: 110	Times	Labor @	\$3.50	n		, n		m . 1	Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Plant Narrow Row	1	3.38	1.60	0.70	4.18	3.57	2.60	16.03	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	0.5	0.50	0.24	0.10	0.36	0.53	0.42	2.15	
5	Aerial Spray	Custom								
6	Aerial Spray	Custom								
7	PivotD 125' Lift	6 ai	4.17	44.81	1.96	12.45	2.84	7.45	73.68	
8	Combine Irr SB	1	3.67	7.04	6.92	0.74	10.65	1.58	30.60	
9	Truck	Custom								
	Total for Field Operations	_	\$13.72	\$54.65	\$10.10	\$19.17	\$19.69	\$13.73	\$131.06	
					Percent	Appli	cation			
				Operation	Acres	11		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	de	1	100%	32	ounces	0.13	4.00	
	2,4-D Ester 4#	Herbicio	de	1	100%	1	pint	2.63	2.63	
	21-0-0-24S	Additive	2	1	100%	1.7	pounds	0.30	0.51	
	Valor XLT	Herbicio	de	1	100%	4	ounces	4.69	18.75	
	RR Soybeans	Seed		2	100%	1.1	bags	50.00	55.00	
	Glyphosate w/Surf	Herbicio	de	4	100%	32	ounces	0.13	4.00	
	Select Max	Herbicio	de	4	100%	6	ounces	0.88	5.25	
	21-0-0-24S	Additive	2	4	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		5	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic	ide	5	20%	1.6	ounces	3.91	1.25	
	Aerial Spray	Custom		6	50%	1	acre	8.00	4.00	
	Headline	Fungicio	de	6	50%	6	ounces	3.52	10.55	
	Haul Grain bu	Custom		9	100%	65	bushels	0.12	7.80	
	Scouting Irrigated SB	Scouting	g	-	100%	1	acre	10.00	10.00	
	Soybeans Irrigated	Crop In	surance	-	100%	1	acre	33.00	33.00	
	Total Materials and Service	es							\$158.85	
	Total Listed Costs for Field	l Operation	ons and M	aterials and	Services				\$289.91	
	Interest on Opera					% for 6 m	onths		6.41	
	Total Operating and Use-I				2.00	, , , , , , , , , , , , , , , , , , , ,			\$296.32	
						`				
	Overhead (accounting, liab			1					20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$5,835 per					233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.0	00%			58.35	
	Total Cost per Acre Includ	ing Overl	nead						\$608.07	
	Cost per Bushel								\$ 9.35	
	Cash Cost per Bushel								\$ 4.94	

2013 Budget 40. Soybeans Roundup Ready®, No-Till Narrow Row, Continuous (59 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Power	Lunto	Danier	Lunto	Total	Your Estimate
1	Field Operations	or Qty				<i>Imp.</i>	Power	Imp.		Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Plant Narrow Row	1	3.38	1.60	0.70	4.18	3.57	2.60	16.03	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Aerial Spray	Custom								
5	Aerial Spray PivotD 125' Lift	Custom 6 ai	4.17	44.81	1.96	12.45	2.84	7.45	73.68	
6	Combine Irr SB									
7		1 Custom	3.67	7.04	6.92	0.74	10.65	1.58	30.60	
8	Truck	Custom	¢12.22	фГ.4.4.1	¢10.00	¢10.01	¢10.16	φ12.21	¢120.01	
	Total for Field Operations		\$13.22	\$54.41	\$10.00	\$18.81	\$19.16	\$13.31	\$128.91	
					Percent	Appli	cation			
				Operation	Acres	11		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	de	1	100%	32	ounces	0.13	4.00	
	2,4-D Ester 4#	Herbicio	de	1	100%	1	pint	2.63	2.63	
	21-0-0-24S	Additive	2	1	100%	1.7	pounds	0.30	0.51	
	Valor XLT	Herbicio	de	1	100%	4	ounces	4.69	18.75	
	RR Soybeans	Seed		2	100%	1.1	bags	50.00	55.00	
	Glyphosate w/Surf	Herbicio	de	3	50%	32	ounces	0.13	2.00	
	21-0-0-24S	Additive	e	4	50%	1.7	pounds	0.30	0.26	
	Aerial Spray	Custom		4	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic	ide	4	20%	1.6	ounces	3.91	1.25	
	Aerial Spray	Custom		5	50%	1	acre	8.00	4.00	
	Headline	Fungicio	de	5	50%	6	ounces	3.52	10.55	
	Haul Grain bu	Custom		8	100%	59	bushels	0.12	7.08	
	Scouting Irrigated SB	Scouting	g	-	100%	1	acre	10.00	10.00	
	Soybeans Irrigated	Crop In	surance	_	100%	1	acre	33.00	33.00	
	Total Materials and Service	es							\$150.63	
	T-4-11:4-10 (C P) 11	10	134	-41-1 1	C				¢270.54	
	Total Listed Costs for Field						.1		\$279.54	
	Interest on Opera				nse @ 5.00	1% for 6 r	nonths		6.18	
	Total Operating and Use-Related Ownership			osts					\$285.72	
	Overhead (accounting, liab	rance, vehi	cle cost, offi	ce expense	e)			20.00		
	Real Estate Opportunity	Pivot (S		\$5,835 per					233.40	
	Real Estate Taxes	122(0	/	\$5,835 per					58.35	
	Total Cost per Acre Includi	ing Overl	nead	, -,-,- Per					\$597.47	
	Cost per Bushel	0							\$ 10.13	
	Cash Cost per Bushel								\$ 5.28	

2013 Budget 41. Soybeans, No-Till Drilled, Roundup Ready® after Corn (65 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 6 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	E: 110	Times	Labor @	\$3.50	D	.	, n	T .	T . 1	Your
_	Field Operations	or Qty	\$20/Hr	and Lube	Power	<i>Imp.</i>	Power	Imp.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	No-Till Drill	1	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Aerial Spray	Custom								
5	Aerial Spray	Custom								
6	PivotD 125' Lift	6 ai	4.17	44.81	1.96	12.45	2.84	7.45	73.68	
7	Combine Irr Soybeans	1	3.67	7.04	6.92	0.74	10.65	1.58	30.60	
8	Truck	Custom								
	Total for Field Operations		\$12.04	\$55.25	\$9.49	\$16.44	\$19.68	\$13.49	\$126.39	
					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	0.13	4.00	
	2,4-D Ester 4#	Herbici	de	1	100%	1	pint	2.63	2.63	
	21-0-0-24S	Additive	2	1	100%	1.7	pounds	0.30	0.51	
	Valor XLT	Herbici	de	1	100%	4	ounces	4.69	18.75	
	RR Soybeans	Seed		2	100%	1.1	bags	50.00	55.00	
	Glyphosate w/Surf	Herbici	de	3	100%	32	ounces	0.13	4.00	
	Select Max	Herbici	de	3	100%	6	ounces	0.88	5.25	
	21-0-0-24S	Additive	2	3	100%	1.7	pounds	0.30	0.51	
	Aerial Spray	Custom		4	20%	1	acre	8.00	1.60	
	Warrior II/Zeon	Insectic	ide	4	20%	1.6	ounces	3.91	1.25	
	Aerial Spray	Custom		5	50%	1	acre	8.00	4.00	
	Headline	Fungici	de	5	50%	6	ounces	3.52	10.55	
	Haul Grain bu	Custom		8	100%	65	bushels	0.12	7.80	
	Scouting Irrigated SB	Scoutin	g	_	100%	1	acre	10.00	10.00	
	Soybeans Irrigated	Crop In		_	100%	1	acre	33.00	33.00	
	Total Materials and Service	_							\$158.85	
	Total Listed Costs for Field	Operati	ons and M	aterials and	Services				\$285.24	
	Interest on Opera					10% for 6 r	nonthe		6.30	
	Total Operating and Use-R				100 @ 3.00	, /U 1U1 U I	110111118		\$291.54	
	Total Operating and Use-R	ciated O	whership						φ271.3 4	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Pivot (S	tate)	\$ 5,835 per	acre @ 4.	00%			233.40	
	Real Estate Taxes			\$5,835 per	acre @ 1.	00%			58.35	
	Total Cost per Acre Includ	ing Overl	nead				,		\$603.29	
	Cost per Bushel								\$ 9.28	
	Cash Cost per Bushel								\$ 4.87	

2013 Budget 42. Sugar Beets Roundup Ready®, One Pass Tillage (26 ton Actual Yield) Canal Irrigated, 20 Acre-inches

Disc					Fuel @	Rep	airs	Own	ership		
Disc											
Spray Liquid Fertilizer		Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
Spray	1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
Till Plant Beets	2	Spray Liquid Fertilizer	1	1.63	0.50	0.14	0.38	3.03	1.68	7.36	
Hoc	3	Spray	Custom								
5 Row Crop Cultivation 1 1.82 1.12 0.41 0.67 2.11 2.46 8.59 Hill/Gravity 1 3.38 3.30 0.70 0.51 3.57 0.59 12.05 Spray Custom 1 4.81 0 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 64.81 0 0 64.81 0 0 64.81 0 0 0 0 64.81 0 <td>4</td> <td>Till Plant Beets</td> <td>1</td> <td>3.67</td> <td>6.11</td> <td>0.31</td> <td>1.90</td> <td>6.81</td> <td>4.28</td> <td>23.08</td> <td></td>	4	Till Plant Beets	1	3.67	6.11	0.31	1.90	6.81	4.28	23.08	
Time	5	Hoe	1	1.50	1.01	0.13	0.51	2.79	0.40	6.34	
S Spray	6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
Ditch Irrigation 20 ai 64.81	7	Hill/Gravity	1	3.38	3.30	0.70	0.51	3.57	0.59	12.05	
O Spray	8		Custom								
Aerial Spray	9	Ditch Irrigation	20 ai	64.81						64.81	
2 Top Beets	10	1 /	Custom								
3 Lift Beets	11		Custom								
Truck	12	Top Beets	1	3.45	2.74	0.32		7.06	3.02	18.35	
Subsoil 1 2.42 4.03 0.23 0.34 4.95 1.23 13.20 Total For Field Operations \$89.00 \$26.74 \$2.78 \$18.16 \$42.04 \$23.54 \$202.26			1	4.30	4.87	0.37	11.20	7.98	9.01	37.73	
Naterials and Services	14		Custom								
Materials and Services	15			2.42	4.03	0.23	0.34	4.95		13.20	
Materials and Services		Total For Field Operations	S	\$89.00	\$26.74	\$2.78	\$18.16	\$42.04	\$23.54	\$202.26	
Materials and Services			T		l .	I	1		1		
Materials and Services Index Applied Rate Unit Price Total Estimate 10-34-0 Fertilizer 2 100% 13.4 gallons 3.35 44.89 32-0-0 Fertilizer 2 100% 115 lbs N 0.69 79.27 Spray Custom 3,8,10 300% 1 acre 6.00 18.00 Custom 3,8,10 300% 32 ounces 0.13 4.00 21-0-0-24S Additive 3 100% 1.70 pounds 0.30 0.51 Sugar Beets RR Poncho Seed 4 100% 1 acre 184.00 184.00 Glyphosate w/Surf Herbicide 8 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 8 100% 1.7 pounds 0.30 0.51 Water Charge Other 9 100% 1 acre 40.00 40.00 Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 10 100% 1 acre 40.00							Appli	cation			
10-34-0					-					_	l
Spray											Estimate
Spray											
Clyphosate w/Surf Herbicide 3 100% 32 ounces 0.13 4.00			+				115	lbs N			
21-0-0-24S Additive 3 100% 1.70 pounds 0.30 0.51					i e	-		acre			
Sugar Beets RR Poncho Seed 4 100% 1 acre 184.00 184.00 Glyphosate w/Surf Herbicide 8 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 8 100% 1.7 pounds 0.30 0.51 Water Charge Other 9 100% 1 acre 40.00 40.00 Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 10 100% 1.7 pounds 0.30 0.51 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Headline Fungicide 11 100% 5 ounces 3.52 17.58 Haul Beets Custom 14 100% 26 tons 3.50 91.00 Scouting Sugar Beets Scouting - 100% 1 acre 16.00 16.00			+			-		ounces			
Glyphosate w/Surf				2			1.70	pounds			
21-0-0-24S								acre		184.00	
Water Charge Other 9 100% 1 acre 40.00 40.00 Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 10 100% 1.7 pounds 0.30 0.51 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Headline Fungicide 11 100% 5 ounces 3.52 17.58 Haul Beets Custom 14 100% 26 tons 3.50 91.00 Scouting Sugar Beets Scouting - 100% 1 acre 16.00 16.00 Sugar Beets Crop Insurance - 100% 1 acre 18.00 38.00 Total Materials and Services \$752.53 \$550.27 Total Listed Costs for Field Operations and Materials and Services \$752.53 Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months 17.17 Total Operati		, <u>, , , , , , , , , , , , , , , , , , </u>	+								
Glyphosate w/Surf Herbicide 10 100% 32 ounces 0.13 4.00 21-0-0-24S Additive 10 100% 1.7 pounds 0.30 0.51 Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Headline Fungicide 11 100% 5 ounces 3.52 17.58 Haul Beets Custom 14 100% 26 tons 3.50 91.00 Scouting Sugar Beets Scouting - 100% 1 acre 16.00 16.00 Sugar Beets Crop Insurance - 100% 1 acre 16.00 16.00 Sugar Beets Crop Insurance - 100% 1 acre 38.00 38.00 Total Materials and Services \$752.53 Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months 17.17 Total Operating and Use-Related Ownership Costs \$769.70 O			+	2			1.7	pounds			
21-0-0-24S		ÿ	+					acre			
Aerial Spray Custom 11 100% 1 acre 8.00 8.00 Headline Fungicide 11 100% 5 ounces 3.52 17.58 Haul Beets Custom 14 100% 26 tons 3.50 91.00 Scouting Sugar Beets Scouting - 100% 1 acre 16.00 16.00 Sugar Beets Crop Insurance - 100% 1 acre 38.00 38.00 Total Materials and Services \$550.27 Total Listed Costs for Field Operations and Materials and Services \$752.53 Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months 17.17 Total Operating and Use-Related Ownership Costs \$769.70 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$35.07											
Headline			+				1.7	pounds			
Haul Beets Custom 14 100% 26 tons 3.50 91.00								acre	-		
Scouting Sugar BeetsScouting-100%1acre16.0016.00Sugar BeetsCrop Insurance-100%1acre38.0038.00Total Materials and ServicesTotal Listed Costs for Field Operations and Materials and ServicesInterest on Operating Capital \$686.95 cash expense @ 5.00% for 6 monthsTotal Operating and Use-Related Ownership CostsOverhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including OverheadCost per Bushel\$ 35.07			 			-		ounces			
Sugar BeetsCrop Insurance-100%1acre38.0038.00Total Materials and Services\$550.27Total Listed Costs for Field Operations and Materials and Services\$752.53Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months17.17Total Operating and Use-Related Ownership Costs\$769.70Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$911.70Cost per Bushel\$35.07			+		14	-	26	tons			
Total Materials and Services \$550.27 Total Listed Costs for Field Operations and Materials and Services \$752.53 Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months 17.17 Total Operating and Use-Related Ownership Costs \$769.70 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% 97.60 Real Estate Taxes \$2,440 per acre @ 1.00% 24.40 Total Cost per Acre Including Overhead \$911.70 Cost per Bushel \$35.07					_						
Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months 17.17 Total Operating and Use-Related Ownership Costs Syncolone Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% Real Estate Taxes \$2,440 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$35.07				surance	_	100%	1	acre	38.00		
Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs S769.70 Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% Real Estate Taxes \$2,440 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel S769.70 20.00 97.60 82,440 per acre @ 1.00% \$21.40 \$911.70 \$35.07		Total Materials and Servic	es							\$550.27	
Interest on Operating Capital \$686.95 cash expense @ 5.00% for 6 months Total Operating and Use-Related Ownership Costs S769.70 Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Gravity (Panhandle) \$2,440 per acre @ 4.00% Real Estate Taxes \$2,440 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel S769.70 20.00 97.60 82,440 per acre @ 1.00% \$21.40 \$911.70 \$35.07		Total Listed Costs for Field	l Operation	ons and M	aterials and	Services				\$752.53	
Total Operating and Use-Related Ownership Costs\$769.70Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$911.70Cost per Bushel\$ 35.07							% for 6 m	onths			
Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$911.70Cost per Bushel\$ 35.07		-				,0 101 0 11					
Real Estate OpportunityGravity (Panhandle)\$2,440 per acre @ 4.00%97.60Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including OverheadCost per Bushel\$911.70		Total Operating and Use-I	Acialeu O	whership						φ/09./0	<u> </u>
Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$911.70Cost per Bushel\$ 35.07		Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expens	e)			20.00	
Real Estate Taxes\$2,440 per acre @ 1.00%24.40Total Cost per Acre Including Overhead\$911.70Cost per Bushel\$ 35.07		Real Estate Opportunity	Gravity (1	Panhandle)	\$2,440 per	acre @ 4.	00%			97.60	
Cost per Bushel \$ 35.07		Real Estate Taxes				acre @ 1.	00%				
Cost per Bushel \$ 35.07		Total Cost per Acre Includ	ing Overl	nead							
		Cash Cost per Bushel							\$ 27.08		

2013 Budget 43. Sugar Beets Roundup Ready®, One Pass Tillage (26 ton Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 16 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Dannan	Luck	Power	Tues	Total	Your Estimate
1	Field Operations Disc	or Qty			Power	<i>Imp.</i> 0.89		Imp.		Estimate
1 2	Spray Liquid Fertilizer	1	2.02 1.63	3.06 0.50	0.17		3.74	0.87	10.75	
<u>2</u> 3	Spray Liquid Fertilizer Spray	Custom	1.03	0.50	0.14	0.38	3.03	1.68	7.36	
4	Till Plant Beets	1	3.67	6.11	0.31	1.90	6.81	4.28	23.08	
1 5	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
6	Spray	Custom	1.02	1.12	0.11	0.07	2.11	2.10	0.57	
7	PivotD 125' Lift	16 ai	11.11	119.50	5.23	33.20	7.57	19.86	196.47	
8	Spray	Custom					1		27 37 27	
9	Aerial Spray	Custom								
10	Top Beets	1	3.45	2.74	0.32	1.76	7.06	3.02	18.35	
11	Lift Beets	1	4.30	4.87	0.37	11.20	7.98	9.01	37.73	
12	Truck	Custom								
13	Subsoil	1	2.42	4.03	0.23	0.34	4.95	1.23	13.20	
	Total for Field Operations		\$30.42	\$141.93	\$7.18	\$50.34	\$43.25	\$42.41	\$315.53	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize	r	2	100%	13.4	gallons	3.35	44.89	
	32-0-0	Fertilize	r	2	100%	115	lbs N	0.69	79.27	
	Spray	Custom		3. 6, 8	300%	1	acre	6.00	18.00	
	Glyphosate w/Surf	Herbicie	de	3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	3	100%	1.70	pounds	0.30	0.51	
	Sugar Beets RR Poncho	Seed		4	100%	1	acre	184.00	184.00	
	Glyphosate w/Surf	Herbici		6	100%	32	ounces	0.13	4.00	
	21-0-0-24\$	Additive		6	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf	Herbici		8	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		8	100%	1.7	-	0.13	-	
		1		l I			pounds		0.51	
	Aerial Spray	Custom		9	100%	1	acre	8.00	8.00	
	Headline	Fungici		9	100%	5	ounces	3.52	17.58	
	Haul Beets	Custom		12	100%	26	tons	3.50	91.00	
	Scouting Sugar Beets	Scoutin		_	100%	1	acre	16.00	16.00	
	Sugar Beets	Crop In	surance	_	100%	1	acre	38.00	38.00	
	Total Materials and Service	es							\$510.27	
	Total Listed Costs for Field	d Operati	ons and M	aterials and	Services				\$825.80	
	Interest on Oper					% for 6 n	nonths		18.50	
	Total Operating and Use-I							\$844.30		
	Overhead (accounting, lial	rance vehi	cle cost off	ce evnence	e)			20.00		
	Real Estate Opportunity	anhandle)	\$2,535 per					101.40		
		rivot (Pa	umande)	-					 	
	Real Estate Taxes		1	\$2,535 per	acre @ 1.0	JU%0			25.35	
	Total Cost per Acre Includ	ıng Overl	nead						\$991.05	
	Cost per Ton								\$ 38.12	
	Cash Cost per Ton								\$ 29.18	

2013 Budget 44. Sugar Beets Roundup Ready® into Corn Stalks, One Pass Tillage (26 ton Actual Yield) Canal Irrigated, 20 Acre-inches

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Chop Stalks	1	1.78	1.87	0.15	0.32	3.31	1.60	9.03	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Till Plant Beets	1	3.67	6.11	0.31	1.90	6.81	4.28	23.08	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Aerial Spray	Custom	1.02	1.12	0.41	0.67	2.11	2.46	0.50	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Hill/Ditch	1	3.38	3.30	0.70	0.51	3.57	0.59	12.05	
8	Spray Ditch Irrigation	20	1.00 64.81	0.48	0.21	0.72	1.05	0.84	4.30 64.81	
10	Top Beets	1	3.45	2.74	0.32	1.76	7.06	3.02	18.35	
11	Lift Beets	1	4.30	4.87	0.32	11.20	7.08	9.01	37.73	
12	Truck	Custom	4.50	4.07	0.57	11.20	7.90	9.01	37.73	
13	Subsoil	1	2.42	4.03	0.23	0.34	4.95	1.23	13.20	<u> </u>
1.0	Total for Field Operations	1 +	\$88.63	\$25.48	\$3.12	\$18.86	\$38.94	\$24.71	\$199.74	
			#00.00	, 4 23.10	40.112	413.00	1 400.71	· · · · · · · · · · · · · · · · · · ·	4	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Spray	Custom		2,4	100%	1	acre	6.00	6.00	
	Glyphosate w/Surf	Herbicio	de	2	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	2	100%	2	pounds	0.30	0.60	
	Sugar Beets RR Poncho	Seed		3	100%	1	acre	184.00	184.00	
	Glyphosate w/Surf	Herbicio	de	4	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	4	100%	2	pounds	0.30	0.60	
	Aerial Spray	Custom		5	100%	1	acre	8.00	8.00	
	Quadris	Fungicio	de	5	100%	6	ounces	3.32	19.92	
	Glyphosate w/Surf	Herbicio	de	7	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	7	100%	2	pounds	0.30	0.60	
	Water Charge	Other		9	100%	1	acre	40.00	40.00	
	Haul Beets	Custom		11	100%	26	tons	3.50	91.00	
	Scouting Sugar Beets	Scouting	g 5	-	100%	1	acre	16.00	16.00	
	Sugar Beets	Crop In		_	100%	1	acre	38.00	38.00	
	Total Materials and Service							l	\$416.72	
	Total Listed Costs for Field					0.4.6			\$616.46	
	Interest on Opera				se @ 5.00	% tor 6 m	nonths		13.82	
	Total Operating and Use-R	Related O	wnership (Costs					\$630.28	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity			\$ 2,440 per					97.60	
	Real Estate Taxes	-, (-		\$ 2,440 per					24.40	
	Total Cost per Acre Includ	ing Overl	nead						\$772.28	
	Cost per Ton	<u></u>	1044						\$ 29.70	
	Cash Cost per Ton								\$ 21.79	

2013 Budget 45. Sugar Beets Roundup Ready® into Corn Stalks, One Pass Tillage (26 ton Actual Yield) Pivot Irrigated, 16 Acre-inches

				Fuel @	Rep	airs	Own	ership		
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Dogues	Lanet	Down	Inch	Total	Your Estimate
1	Field Operations	or Qty			Power	<i>Imp.</i>	Power	Imp.		Estimate
1	Chop Stalks	1	1.78 1.00	1.87 0.48	0.15	0.32	3.31	1.60 0.84	9.03 4.30	
3	Spray Till Plant Beets	1	3.67	6.11	0.21	1.90	6.81	4.28	23.08	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
6	Row Crop Cultivation	1	1.82	1.12	0.41	0.67	2.11	2.46	8.59	
7	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
8	PivotD 125'Lift	16 ai	11.11	119.50	5.23	33.20	7.57	19.86	196.47	
9	Top Beets	1	3.45	2.74	0.32	1.76	7.06	3.02	18.35	
10	Lift Beets	1	4.30	4.87	0.37	11.20	7.98	9.01	37.73	
11	Truck	Custom								
12	Subsoil	1	2.42	4.03	0.23	0.34	4.95	1.23	13.20	
	Total for Field Operations		\$32.55	\$142.16	\$7.86	\$52.27	\$43.99	\$44.82	\$323.65	
					D.	A = = 1:	4:	I		l
				Opanation	Percent	Арри	cation I	Applied		Varia
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Your Estimate
		Custom			100%	1	-	6.00		Estimate
	Spray		1	2,4			acre		6.00	
	Glyphosate w/Surf	Herbici		2	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	2	100%	2	pounds	0.30	0.60	
	Sugar Beets RR Poncho	Seed		3	100%	1	acre	184.00	184.00	
	Glyphosate w/Surf	Herbici		4	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	4	100%	2	pounds	0.30	0.60	
	Aerial Spray	Custom		5	100%	1	acre	8.00	8.00	
	Quadris	Fungici	de	5	100%	6	ounces	3.32	19.92	
	Glyphosate w/Surf	Herbici	de	7	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive	2	7	100%	2	pounds	0.30	0.60	
	Haul Beets	Custom		11	100%	26	tons	3.50	91.00	
	Scouting Sugar Beets	Scoutin	g	_	100%	1	acre	16.00	16.00	
	Sugar Beets	Crop In		_	100%	1	acre	38.00	38.00	
	Total Materials and Servic	1				<u> </u>		1	\$376.72	
										` T
	Total Listed Costs for Field					0/. C -	. 1		\$700.37	
	Interest on Opera				se @ 5.00	% tor 6 m	nonths		15.29	
	Total Operating and Use-F	Related O	wnership (Costs					\$715.66	
	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	 	anhandle)	\$ 2,535 per					101.40	
	Real Estate Taxes			\$ 2,535 per					25.35	
	Total Cost per Acre Includ	ing Overl	nead	F **					\$862.41	
	Cost per Ton	-0 3							\$ 33.17	
ì	Cash Cost per Ton						,		\$ 24.11	
	Cash Cost per 1011								Ψ 4-1.11	

2013 Budget 46. Sunflower, No-Till, following Corn or Grain Sorghum (13 cwt Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
	E:-11 Oc	Times	Labor @	\$3.50 and Lube	D	T	Power	76	Total	Your Estimate
1	Field Operations	or Qty	\$20/Hr		Power	<i>Imp.</i>		Imp.		Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
4	Spray	0.55	0.55	0.27	0.11	0.40	0.58	0.46	2.37	
5	Combine Dryland Sunflowers	1	3.14	6.04	5.93	0.21	9.13	10.20	34.65	
6	Truck	Custom								
	Total for Field Operations		\$8.95	\$9.29	\$7.13	\$5.91	\$15.24	\$14.94	\$61.46	
						4 1*				
				Opanation	Percent Acres	Арри	cation	Applied		Your
	Materials and Services			Operation Index	Acres Applied	Rate	Unit	Applied Price	Total	Estimate
	Glyphosate w/Surf	Herbicio	le	1	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive)	1	100%	1.7	pounds	0.30	0.51	
	Prowl H ₂ O	Herbicio	de	1	100%	2	pints	6.00	12.00	
	28-0-0	Fertilize	r	1	100%	50	lbs N	0.72	35.83	
	Spartan 4F	Herbicio	le	2	100%	5	ounces	5.59	27.93	
	Glyphosate w/Surf	Herbicio	le	2	50%	32	ounces	0.13	2.00	
	21-0-0-24S	Additive	:	2	50%	1.7	pounds	0.30	0.26	
	Prowl H2O	Herbicio	le	2	100%	1	pint	6.00	6.00	
	Sunflower	Seed		3	100%	5	pounds	1.05	5.25	
	*Aerial Spray	Custom		4	55%	1	acre	8.00	4.40	
	*Warrior II/Zeon	Insectic	de	4	55%	1.92	ounces	3.91	4.13	
	Haul Grain (Sunflower)	Custom		6	100%	13	cwt	0.30	3.90	
	Sunflower	Crop In	surance	_	100%	1	acre	58.00	58.00	
	Total Materials and Service	es		·					\$164.21	
	*Insecticide for seed weevil and su	nflower mo	th.							
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$225.67	
	Interest on Opera	ting Cap	tal \$195.4	9 cash expe	nse @ 5.00	% for 6 n	nonths		4.89	
	Total Operating and Use-R	elated O	wnership (Costs					\$230.56	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Dryland (Panhar		\$660 per ac	cre @ 4.00	%			26.40	
	Real Estate Taxes			\$660 per ac	cre @ 1.00	%			6.60	
	Total Cost per Acre Includi	ng Overl	nead						\$283.56	
	Cost per cwt				,				\$ 21.81	
	Cash Cost per cwt								\$ 15.92	

2013 Budget 47. Sunflower, Ecofallow, after Wheat, 2 Crops in 3 Years (16 cwt Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
	7:110	Times	Labor @	\$3.50	-	-		Ţ		Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Imp.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Plant No-Till	1	3.26	2.02	0.67	3.86	3.43	2.60	15.84	
6	Aerial Spray	Custom	2.14	6.04	5.00	0.21	0.12	10.20	24.65	
7	Combine Dryland Sunflowers	1	3.14	6.04	5.93	0.21	9.13	10.20	34.65	
8	Truck	Custom								
	Total for Field Operations		\$10.40	\$9.98	\$7.44	\$6.95	\$16.76	\$16.16	\$67.69	
					Percent	Appli	cation			
				Operation	Acres	- 11		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	Landmaster BW	Herbici		1	100%	54	ounces	0.13	6.75	
	21-0-0-24S	Additive		1	100%	2	pounds	0.30	0.60	
	Glyphosate w/Surf	Herbici		2	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		2	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf	Herbici	de	3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		3	100%	1.7	pounds	0.30	0.51	
	Prowl H2O	Herbici	de	3	100%	2	pints	6.00	12.00	
	28-0-0	Fertilize		3	100%	60	lbs N	0.72	43.00	
	Spartan 4F	Herbici		4	100%	5	ounces	5.59	27.93	
	Glyphosate w/Surf	Herbici	de	4	50%	32	ounces	0.13	2.00	
	21-0-0-24S	Additive	2	4	50%	1.7	pounds	0.30	0.26	
	Prowl H ₂ O	Herbici	de	4	100%	1	pint	6.00	6.00	
	Sunflower	Seed		5	100%	5	pounds	1.05	5.25	
	*Aerial Spray	Custom		6	55%	1	acre	8.00	4.40	
	*Warrior II/Zeon	Insectic	ide	6	55%	1.92	ounces	3.91	4.13	
	Haul Grain (Sunflower)	Custom		8	100%	16	cwt	0.30	4.80	
	Sunflower	Crop In	surance	_	100%	1	acre	58.00	58.00	
	Total Materials and Service								\$184.14	
	*Insecticide for seed weevil and su	nflower mo	th.							
	Total Listed Costs for Field	Operati	ons and M	aterials and	Services				\$251.83	
	Interest on Opera	ting Cap	ital \$218.9	1 cash expe	nse @ 5.00	% for 6 n	nonths		5.47	
	Total Operating and Use-R	elated O	wnership (Costs					\$257.30	
	Overhead (accounting, liab	rance, vehi	cle cost, offi	ce expense	e)			20.00		
	Real Estate Opportunity	Dryland (Panhar		\$660 per ac	cre @ 4.00	%			26.40	
	Real Estate Taxes			\$660 per a	cre @ 1.00)%	,		6.60	
	Total Cost per Acre Includi	ng Overl	nead	-					\$310.30	
	Cost per cwt								\$ 19.39	
	Cash Cost per cwt								\$ 14.44	

2013 Budget 48. Wheat, No-Till after Row Crop, 45 bu Yield Goal (40 bu Actual Yield) Dryland

			_	Fuel @	Rep	airs	Own	ership		
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Dannan	Tunt	Dannam	Tues	Total	Your Estimate
1	Field Operations No-Till Drill	or Qty			Power	Imp.	Power	<i>Imp.</i>	Total	Estimate
1		1	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Aerial Spray	Custom								
4	Aerial Spray	Custom								
5	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
6	Truck	Custom								
	Total for Field Operations		\$6.34	\$8.94	\$6.33	\$3.05	\$14.27	\$5.20	\$44.13	
					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	3.35	26.80	
	Wheat	Seed		1	100%	90	pounds	0.25	22.50	
	28-0-0	Fertilize	r	2	100%	70	lbs N	0.72	50.17	
	Ally Extra SG	Herbicio	de	2	100%	0.3	ounces	16.50	4.95	
	2,4-D Ester 4#	Herbicio	de	2	100%	0.5	pint	2.63	1.31	
	NIS	Additive	2	2	100%	6	ounces	0.16	0.94	
	Aerial Spray	Custom		3	20%	1	acre	8.00	1.60	
	Tilt	Fungicio	de	3	20%	4	ounces	1.17	0.94	
	*Aerial Spray	Custom		4	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic	ide	4	10%	1.5	pints	6.25	0.94	
	*Warrior II/Zeon	Insectic	ide	4	5%	1.92	ounces	3.91	0.38	
	Haul Grain bu	Custom		5	100%	40	bushels	0.12	4.80	
	Scouting Wheat	Scouting		_	100%	1	acre	8.00	8.00	
	Wheat After Crop	Crop In		_	100%	1	acre	38.00	38.00	
	Total Materials and Service						1		\$162.53	
	*Insecticide for Russian wheat aph		y cutworm.						ψ10 2.00	
	Total Listed Costs for Field	Operation	ons and M	aterials and	Services				\$206.66	
	Interest on Opera					% for 6 m	onthe		4.68	
	Total Operating and Use-R	<u> </u>			3.00	70 101 0 11	10111113		\$211.34	
	Total Operating and Ose-I	crated O	whership	Costs					Ψ211.34	
	Overhead (accounting, liab								20.00	
	Real Estate Opportunity	Dryland (Southw		\$1,250 per	acre @ 4.	00%			50.00	
	Real Estate Taxes			\$1,250 per	acre @ 1.	00%			12.50	
	Total Cost per Acre Includ	ing Overl	nead	•					\$293.84	
	Cost per Bushel				,		,		\$ 7.35	
	Cash Cost per Bushel								\$ 5.11	

2013 Budget 49. Wheat, No-Till Fallow, 1 Crop in 2 Years, 60 bu Yield Goal (55 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
6	No-Till Drill	1	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
7	Spread, Fertilizer	1	1.57	1.22	0.36		1.83		4.98	
8	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
9	Aerial Spray	Custom								
10	Aerial Spray	Custom								
11	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
12	Truck	Custom								
	Total for Field Operations	ı	\$12.91	\$12.56	\$7.74	\$6.65	\$21.35	\$9.40	\$70.61	
					Percent	Appli	cation			
	36 . 11 . 10 . 1			Operation	Acres	ъ.		Applied		Your
	Materials and Services	г .***		Index	Applied	Rate	Unit	Price	Total	Estimate
	28-0-0	Fertilize		1	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive Herbicio		1	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf 21-0-0-24S	Additive		2 2	100% 100%	32 1.7	ounces pounds	0.13	4.00 0.51	
	AAtrex 4L	Herbicio		2	100%	1./		4.75	4.75	
		Herbicio		3	100%	32	quart ounces	0.13	4.75	
	Glyphosate w/Surf 21-0-0-24S	Additive		3	100%	1.7	pounds	0.13	0.51	
	Glyphosate w/Surf	Herbicio		4	100%	32	ounces	0.30	4.00	
	21-0-0-24S	Additive		4	100%	1.7	pounds	0.13	0.51	
	Glyphosate w/Surf	Herbicio		5	100%	32	ounces	0.30	4.00	
	21-0-0-24S	Additive		5	100%	1.7	pounds	0.13	0.51	
	10-34-0	Fertilize		6	100%	8	gallons	3.35	26.80	
	Wheat	Seed	1	6	100%	60	pounds	0.25	15.00	
	46-0-0	Fertilize	r	7	100%	75		0.68	51.00	
	Ally Extra SG	Herbicio		8	100%	0.3	ounces	16.50	4.95	
	2,4-D Ester 4#	Herbicio		8	100%	0.5	pints	2.63	1.31	
	NIS	Additive		8	100%	6	ounces	0.16	0.94	
i i	Aerial Spray	Custom		9	20%	1	acre	8.00	1.60	
	Tilt	Fungicio		9	20%		ounces	1.17	0.94	
	*Aerial Spray	Custom		10	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic	ide	10	10%		pints	6.25	0.94	
	*Warrior II/Zeon	Insectic	ide	10	5%		ounces	3.91	0.38	
	Haul Grain bu	Custom		12	100%	55	bushels	0.12	6.60	
	Scouting Wheat	Scouting		_	100%	1	acre	8.00	8.00	
	Wheat Fallowed	Crop In	surance	_	100%	1	acre	30.00	30.00	
	Total Materials and Service								\$176.96	
	*Insecticide for aphids and army c	utworm.								
	Total Listed Costs for Field	Operation	one and M	aterials and	Services				\$247.57	
	Interest on Opera					% for 6 m	onthe		5.42	
	Total Operating and Use-R			100 @ 5.00	/U 101 U II			\$252.99		
	-									
	Overhead (accounting, liab								20.00	
	Real Estate Opportunity	Dryland		\$660 per a	cre @ 4.00	%			39.60	
	D 1F () T	(Panhar	ndle)	\$660	@ 1.00	0/			0.00	
	Real Estate Taxes			\$660 per a	cre @ 1.00	%			9.90	
	Total Cost per Acre Includi	ng Overl	nead						\$322.49	
	Cost per Bushel								\$ 5.86	
Ш	Cash Cost per Bushel								\$ 4.22	

2013 Budget 50. Wheat, Stubble Mulch Fallow, 1 Crop in 2 Years, 53 bu Yield Goal (50 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
	Fallow Master	1	1.47	2.31	0.13	0.41	2.72	0.89	7.93	
2	Fallow Master	1	1.47	2.31	0.13	0.41	2.72	0.89	7.93	
;	Fallow Master	1	1.47	2.31	0.13	0.41	2.72	0.89	7.93	
Į	Rod Weeder	1	1.52	1.63	0.14	0.10	3.09	0.44	6.92	
,	Rod Weeder	1	1.52	1.63	0.14	0.10	3.09	0.44	6.92	
5	Spray (on disc)	1	0.33		0.03	0.10	0.62	0.63	1.71	
7	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
)	Aerial Spray	Custom								
0	Aerial Spray	Custom								
1	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
2	Truck	Custom								
	Total for Field Operations		\$14.85	\$19.37	\$7.45	\$6.66	\$28.23	\$7.78	\$84.34	
					Percent	Appli	cation			
				Operation	Acres			Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
Ī	28-0-0	Fertilize	r	6	100%	70	lbs N	0.72	50.17	
Ī	10-34-0	Fertilize	r	7	100%	8	gallons	3.35	26.80	
İ	Wheat	Seed		7	100%	60	pounds	0.25	15.00	
Ī	2,4-D Ester 4#	Herbicio	de	8	100%	0.5	pint	2.63	1.31	
İ	Ally Extra SG	Herbicio	de	8	100%	0.3	ounces	16.50	4.95	
Ī	NIS	Additive	2	8	100%	6	ounces	0.16	0.94	
ľ	Aerial Spray	Custom		9	20%	1	acre	8.00	1.60	
	Tilt	Fungicio		9	20%	4	ounces	1.17	0.94	
İ	*Aerial Spray	Custom		10	15%	1	acre	8.00	1.20	
İ	*Lorsban 4 E	Insectic	ide	10	10%	1.5	pints	6.25	0.94	
ŀ	*Warrior II/Zeon	Insectic		10	5%	1.92	ounces	3.91	0.38	
ŀ	Haul Grain bu	Custom		12	100%	50	bushels	0.12	6.00	
	Scouting Wheat	Scouting		-	100%	1	acre	8.00	8.00	
ł	Wheat Fallowed	Crop In		_	100%	1	acre	30.00	30.00	
}	Total Materials and Service			<u>I</u>	10070	1	1	20.00	\$148.23	
	*Insecticide for aphids and army of								ψ140.23	
_	m . 1 v . 10 6 . m 11	10	134	1 1	0 •				#222.55 I	
ļ	Total Listed Costs for Field					0, 6 -	.1		\$232.57	
	Interest on Opera				ise @ 5.00	% tor 6 m	onths		4.91	
	Total Operating and Use-R	Related O	wnership (Costs			,		\$237.48	
T	Overhead (accounting, liab	oility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity	Rainfed (Panhar		\$660 per ac					52.80	
-	Real Estate Taxes	(1 0111101	idic)	\$660 per ac	cre @ 1.00	%			13.20	
ŀ	Total Cost per Acre Includ	ing Overl	nead						\$323.48	
ŀ	Cost per Bushel	0 3							\$ 6.47	
ŀ	Cash Cost per Bushel								\$ 4.29	

2013 Budget 51. Wheat, Clean-Till Fallow, 1 Crop in 2 Years, 49 bu Yield Goal (45 bu Actual Yield) Dryland

Field Operations					Fuel @	Rep	airs	Own	ership		
Disc			Times	Labor @	\$3.50						Your
2 Field Cultivation		Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
Field Cultivation	1	Disc	1	2.02	3.06	0.17	0.89	3.74	0.87	10.75	
Field Cultivation	2	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
5 Rod Weeder	3	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
Rod Weeder	4	Field Cultivation	1	1.47	2.20	0.13	0.73	2.72	0.89	8.14	
7	5	Rod Weeder	1	1.52	1.63	0.14	0.10	3.09	0.44	6.92	
Strill	6	Rod Weeder	1	1.52	1.63	0.14	0.10	3.09	0.44	6.92	
Spray	7	Anhy Apply (supplier)	1	0.55	0.64	0.11		0.58		1.88	
10 Aerial Spray Custom	8	Drill	1	2.93	2.68	0.61	3.89	3.09	1.18	14.38	
11 Aerial Spray Custom	9	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
12 Aerial Spray Custom 1 3.14 6.02 5.93 0.52 9.13 1.58 26.32 13 Combine Dryland 1 3.14 6.02 5.93 0.52 9.13 1.58 26.32 14 Truck	10	Aerial Spray	Custom								
13 Combine Dryland	11	Aerial Spray	Custom								
13 Combine Dryland	12	Aerial Spray	Custom								
Truck	13		1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
Total for Field Operations	_	,	Custom								
Materials and Services Partilizer 7 100% 60 lbs N 0.56 33.60				\$17.09	\$22.74	\$7.70	\$8.41	\$31.93	\$8.02	\$95.89	
Materials and Services Partilizer 7 100% 60 lbs N 0.56 33.60						Dorcont	Appli	cation			
Materials and Services Index Applied Rate Unit Price Total Estimate					Operation		21pp11	Carron	Applied		Vour
82-0-0 Fertilizer 7 100% 60 lbs N 0.56 33.60		Matarials and Samisas					Data	I Init		Total	
10-34-0 Fertilizer			Eastiliza								Estimate
Wheat Seed 8 100% 60 pounds 0.25 15.00 2,4-D Ester 4# Herbicide 9 100% 0.5 pint 2.63 1.31 Ally Extra SG Herbicide 9 100% 0.3 ounce 16.50 4.95 NIS Additive 9 100% 6 ounces 0.16 0.94 Aerial Spray Custom 10 20% 4 pints 6.25 5.00 Aerial Spray Custom 11 20% 4 pints 6.25 5.00 Aerial Spray Custom 11 20% 4 ounces 1.17 0.94 *Aerial Spray Custom 12 15% 1 acre 8.00 1.20 *Lorsban 4 E Insecticide 12 10% 1.5 pints 6.25 0.94 *Warrior II/Zeon Insecticide 12 5% 1.92 ounces 3.91 0.38 Ha			†								
2,4-D Ester 4# Herbicide 9 100% 0.5 pint 2.63 1.31			<u> </u>	1							
Ally Extra SG				1.						_	
NIS								 			
Aerial Spray		•	+								
Lorsban 4 E			1								
Aerial Spray								 	-		
Tilt Fungicide 11 20% 4 ounces 1.17 0.94 *Aerial Spray Custom 12 15% 1 acre 8.00 1.20 *Lorsban 4 E Insecticide 12 10% 1.5 pints 6.25 0.94 *Warrior II/Zeon Insecticide 12 5% 1.92 ounces 3.91 0.38 Haul Grain bu Custom 14 100% 1 bushel 0.12 0.12 Scouting Wheat Scouting - 100% 1 acre 8.00 8.00 Wheat Fallowed Crop Insurance - 100% 1 acre 8.00 8.00 Wheat Fallowed Crop Insurance - 100% 1 acre 30.00 30.00 Total Materials and Services \$132.38 \$132.38 \$132.38 Total Listed Costs for Field Operations and Materials and Services \$228.27 Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71			1							-	
*Aerial Spray			1							-	
*Lorsban 4 E											
*Warrior II/Zeon Insecticide 12 5% 1.92 ounces 3.91 0.38 Haul Grain bu Custom 14 100% 1 bushel 0.12 0.12 Scouting Wheat Scouting - 100% 1 acre 8.00 8.00 Wheat Fallowed Crop Insurance - 100% 1 acre 30.00 30.00 Total Materials and Services \$132.38 *Insecticide for aphids and army cutworm. Total Listed Costs for Field Operations and Materials and Services \$132.38 Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71 Total Operating and Use-Related Ownership Costs \$232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland \$660 per acre @ 4.00% 52.80 (Panhandle) Real Estate Taxes \$660 per acre @ 1.00% 13.20 Total Cost per Acre Including Overhead \$318.98 Cost per Bushel \$7.09		,	.					 			
Haul Grain bu Custom 14 100% 1 bushel 0.12 0.12			 					i			
Scouting Wheat Scouting - 100% 1 acre 8.00 8.00 Wheat Fallowed Crop Insurance - 100% 1 acre 30.00 30.00 Total Materials and Services \$132.38 *Insecticide for aphids and army cutworm. Total Listed Costs for Field Operations and Materials and Services \$228.27 Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71 Total Operating and Use-Related Ownership Costs \$232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland \$660 per acre @ 4.00% 52.80 (Panhandle) Real Estate Taxes \$660 per acre @ 1.00% 13.20 Total Cost per Acre Including Overhead \$318.98 Cost per Bushel \$7.09			1								
Wheat Fallowed Crop Insurance – 100% 1 acre 30.00 30.00 Total Materials and Services \$132.38 *Insecticide for aphids and army cutworm. Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months Total Operating and Use-Related Ownership Costs \$232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00 Real Estate Opportunity Dryland (Panhandle) \$660 per acre @ 4.00% 52.80 Real Estate Taxes \$660 per acre @ 1.00% 13.20 Total Cost per Acre Including Overhead \$318.98 Cost per Bushel \$7.09			1							·	
Total Materials and Services *Insecticide for aphids and army cutworm. Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71 Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Dryland (Panhandle) Real Estate Taxes \$660 per acre @ 4.00% (Panhandle) \$660 per acre @ 1.00% Total Cost per Acre Including Overhead Cost per Bushel \$7.09					_						
*Insecticide for aphids and army cutworm. Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months Total Operating and Use-Related Ownership Costs Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Dryland (Panhandle) Real Estate Taxes \$660 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Bushel \$7.09				surance	_	100%	1	acre	30.00		
Total Listed Costs for Field Operations and Materials and Services Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71 Total Operating and Use-Related Ownership Costs Substituting Capital \$188.32 cash expense @ 5.00% for 6.0 months 4.71 Total Operating and Use-Related Ownership Costs Substituting Capital \$188.32 cash expense @ 5.00% for 6.0 months \$232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Dryland \$660 per acre @ 4.00% 52.80 (Panhandle) Real Estate Taxes \$660 per acre @ 1.00% 13.20 Total Cost per Acre Including Overhead \$318.98 Cost per Bushel										\$132.38	
Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months Total Operating and Use-Related Ownership Costs S232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Dryland (Panhandle) Real Estate Taxes \$660 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Bushel S232.98 20.00 13.20 13.20 13.20 13.20 13.20 13.20		*Insecticide for aphids and army c	cutworm.								
Interest on Operating Capital \$188.32 cash expense @ 5.00% for 6.0 months Total Operating and Use-Related Ownership Costs S232.98 Overhead (accounting, liability insurance, vehicle cost, office expense) Real Estate Opportunity Dryland (Panhandle) Real Estate Taxes \$660 per acre @ 4.00% Total Cost per Acre Including Overhead Cost per Bushel S232.98 20.00 13.20 13.20 13.20 13.20 13.20 13.20		Total Listed Costs for Field	l Operation	ons and M	aterials and	Services				\$228.27	
Total Operating and Use-Related Ownership Costs Substitute							% for 6.0	monthe		- 1	
Overhead (accounting, liability insurance, vehicle cost, office expense)20.00Real Estate OpportunityDryland (Panhandle)\$660 per acre @ 4.00%52.80Real Estate Taxes\$660 per acre @ 1.00%13.20Total Cost per Acre Including Overhead\$318.98Cost per Bushel\$7.09					J.00	/0 101 0.0	1110111113				
Real Estate OpportunityDryland (Panhandle)\$660 per acre @ 4.00%52.80Real Estate Taxes\$660 per acre @ 1.00%13.20Total Cost per Acre Including Overhead\$318.98Cost per Bushel\$7.09		<u> </u>			20.0****	2)					
(Panhandle)13.20Real Estate Taxes\$660 per acre @ 1.00%13.20Total Cost per Acre Including Overhead\$318.98Cost per Bushel\$7.09											
Total Cost per Acre Including Overhead \$318.98 Cost per Bushel \$7.09		Real Estate Opportunity			\$660 per a	cre @ 4.00		52.80			
Cost per Bushel \$ 7.09		Real Estate Taxes			\$660 per ac	cre @ 1.00	%			13.20	
Cost per Bushel \$ 7.09		Total Cost per Acre Includ	ing Overl	nead						\$318.98	
										\$ 7.09	
		Cash Cost per Bushel								\$ 4.58	

2013 Budget 52. Wheat, No-Till Wheat before Corn, 2 Crops in 3 Years, 65 bu Yield Goal (60 bu Actual Yield) Dryland

				Fuel @	Rep	airs	Own	ership		
		Times	Labor @	\$3.50						Your
	Field Operations	or Qty	\$20/Hr	and Lube	Power	Ітр.	Power	Ітр.	Total	Estimate
1	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
2	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
5	No-Till Drill	1	2.20	2.44	0.21	1.81	4.09	2.78	13.51	
6	Spread, Fertilizer	1	1.57	1.22	0.36	1.01	1.83	2.70	4.98	
7	Spray	1	1.00	0.48	0.30	0.72	1.05	0.84	4.30	
8	Aerial Spray	Custom	1.00	0.40	0.21	0.72	1.03	0.04	4.50	
9	Aerial Spray	Custom								
10	* /	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
11	·	Custom	3.14	0.02	3.93	0.32	9.13	1.30	20.32	
11	Total for Field Operations	Custom	¢11.01	\$12.00	¢7.52	¢E 02	\$20.30	¢0.56	\$66.21	
	Total for Field Operations		\$11.91	\$12.08	\$7.53	\$5.93	\$20.30	\$8.56	\$66.31	
					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	0.13	4.00	
	21-0-0-24S	Additive		1	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf	Herbicio		2	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		2	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf	Herbicie		3	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		3	100%	1.7	pounds	0.30	0.51	
	Glyphosate w/Surf	Herbicio		4	100%	32	ounces	0.13	4.00	
	21-0-0-24S	Additive		4	100%	1.7	pounds	0.13	0.51	
	10-34-0	Fertilize		5	100%	8	gallons	3.35	26.80	
	Wheat	Seed	1	5	100%	60	 -	0.25	15.00	
	46-0-0	Fertilize		6	100%	80	pound lbs N	0.23	54.40	
	Ally Extra SG	Herbicio		7	100%	0.3				
	NIS	Additive		7	100%		ounce	16.50	4.95	
	2,4-D Ester 4#					6	ounces	0.16	0.94	
		Herbicio		7	100%	0.5	pint	2.63	1.31	
	Aerial Spray	Custom		8	20%	1	acre	8.00	1.60	
	Tilt	Fungicio		8	20%	4	ounces	1.17	0.94	
	*Aerial Spray	Custom		9	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insectic		9	10%	1.5	pints	6.25	0.94	
	*Warrior II/Zeon	Insectic		9	5%	1.92	ounces	3.91	0.38	
	Haul Grain bu	Custom		11	100%	60	bushels	0.12	7.20	
	Scouting Wheat	Scouting		_	100%	1	acre	8.00	8.00	
	Wheat Fallowed	Crop In	surance	_	100%	1	acre	30.00	30.00	
	Total Materials and Service								\$171.70	
	*Insecticide for aphids and army c	utworm.								
	Total Listed Costs for Field	Operati	one and M	aterials and	Services				\$238.01	
						10% for 6	nonth:	-		
	Interest on Opera				1186 @ 2.00	70 IOF 0 I	110111118		5.23	
	Total Operating and Use-R	elated O	wnership (Costs					\$243.24	
	Overhead (accounting, liab	ility insu	rance, vehi	cle cost, offi	ce expense	e)			20.00	
	Real Estate Opportunity		Southwest)	\$1,250 per					75.00	
	Real Estate Taxes	Z-1/mind (\$1,250 per					18.75	
	Total Cost per Acre Includi	ng Overl	nead	1 41,230 PCI		, , , , ,			\$356.99	
	Cost per Bushel	ing Overi	icau						\$ 5.95	
	Cash Cost per Bushel								\$ 3.89	
	Cash Cost per busiler								ψ 2.02	

2013 Budget 53. Wheat, No-Till after Beans, 100 bu Yield Goal (90 bu Actual Yield) Pivot Irrigated, 800 GPM 35 PSI, 8 Acre-inches

				Fuel @	Repairs		Ownership			
	Field Operations	Times	Labor @ \$20/Hr	\$3.50 and Lube	Power	Imto	Power	Imp	Total	Your Estimate
1	No-Till Drill	or Qty				Imp.		<i>Imp.</i>		Estimate
1		1	2.20	2.44	0.19	1.81	4.09	2.78	13.51	
2	PivotD 125' Lift	8 ai	5.56	59.75	2.61	16.60	3.78	9.93	98.23	
3	Spray	1	1.00	0.48	0.21	0.72	1.05	0.84	4.30	
4	Aerial Spray	Custom								
5	Aerial Spray	Custom								
6	Combine Dryland	1	3.14	6.02	5.93	0.52	9.13	1.58	26.32	
7	Truck	Custom								
	Total for Field Operations		\$11.90	\$68.69	\$8.94	\$19.65	\$18.05	\$15.13	\$142.36	
					Percent	Appli	cation			
				Operation	Acres	II		Applied		Your
	Materials and Services			Index	Applied	Rate	Unit	Price	Total	Estimate
	10-34-0	Fertilize	r	1	100%	8	gallons	3.35	26.80	
	Wheat	Seed		1	100%	120	pounds	0.25	30.00	
	28-0-0	Fertilize	r	2	100%	120	lbs N	0.72	86.00	
	2,4-D Ester 4#	Herbici	de	3	100%	0.5	pint	2.63	1.31	
	Ally Extra SG			3	100%	0.3	ounce	16.50	4.95	
	NIS	Additive		3	100%	6	ounces	0.16	0.94	
	Aerial Spray	Custom		4	100%	1	acre	8.00	8.00	
	Tilt	Fungicide		4	100%	4	ounces	1.17	4.69	
	*Aerial Spray	Custom		5	15%	1	acre	8.00	1.20	
	*Lorsban 4 E	Insecticide		5	10%	1.5	pints	6.25	0.94	
	*Warrior II/Zeon	Insecticide		5	5%	1.92	ounces	3.91	0.38	
	Haul Grain bu	Custom		7	100%	90	bushels	0.12	10.80	
	Scouting Wheat	Scoutin		_	100%	1	acre	8.00	8.00	
	Wheat Irrigated	Crop In	surance	-	100%	1	acre	48.00	48.00	
	Total Materials and Services								\$232.01	
	*Insecticide for aphids and army cutworm.									
	Total Listed Costs for Field Operations and Materials and Services									
	Interest on Operating Capital \$341.19 cash expense @ 5.00% for 6 months								\$374.37 8.53	
	Total Operating and Use-Related Ownership Costs									
	Overhead (accounting, liability insurance, vehicle cost, office expense)								20.00	
									101.40	
	Real Estate Opportunity Real Estate Taxes									
	1 7 1								25.35	
	Total Cost per Acre Including Overhead								\$529.65	
	Cash Cost per Bushel								\$ 5.89	
Cash Cost per Bushel									\$ 4.17	

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