

2015

EC872 Crop Budgets - Nebraska 2015

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EC872

(Revised November 2014)

CROP BUDGETS

NEBRASKA – 2015

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NOTE: These budget projections were created using assumptions thought to be valid for many Nebraska producers; however, each farming operation is unique. These budgets are being released in both PDF and Excel® 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/economics/budgets>.

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2015 CROP BUDGETING PROCEDURES

This publication contains 69 crop production budgets for 13 crops, 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. If a unit is other than “acres,” it is specified in the “Unit” column. Other units used are bushels (bu), hundredweight (cwt), tons, and acre-inches (ai).

Labor costs for each operation were calculated from machinery accomplishment rates and adjusted for additional time required for getting machinery ready, adjusting machinery, and handling fertilizer and other supplies. The estimated costs for completing these operations are multiplied by the number in the “Times” or “Quantity” column, the product of which is multiplied by the hourly wage (\$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 of 1.15 and the price of energy which is \$3.25 per gallon for diesel and \$0.10 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.

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; 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 2014.

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 2013-2014* published in June 2014. 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 2015 Budgets

<i>Name</i>	<i>List Price</i>	<i>Age</i>	<i>Total Tach Hours</i>	<i>Est. Hours per Year</i>
Large Tractor	\$317,791	10	1,500	300
Medium Tractor	\$213,972	5	2,500	500
Combine	\$317,791	10	1,500	300
Electric Pump	\$10,000	5	2,400	800
Diesel Pump for Pivot	\$15,000	10	2,400	800
Diesel Pump for Pipe	\$15,000	10	2,400	800
Windrower	\$113,989	10	2,500	120

Table 2. Machinery Cost and Performance Data Used for 2015 Budgets

<i>Operation Name</i>	<i>Machine or Header List Price</i>	<i>Age</i>	<i>Annual Use</i>	<i>Units per Hour</i>	<i>Diesel Use per Hour</i>
Aerial Spray	Custom	N/A	N/A	N/A	N/A
Anhy Apply (supplier)	N/A	N/A	N/A	N/A	N/A
Anhydrous Apply	N/A	N/A	N/A	N/A	N/A
Cart	42,000	5	440,000 bushels	1,540 bushels	3.00 gal.
Chisel	56,958	5	2,000 acres	11 acres	8.26 gal.
Chop Silage	Custom	N/A	N/A	N/A	N/A
Chop Stalks	19,286	5	500 acres	12 acres	5.74 gal.
Combine Dryland Corn	50,450	5	1,000 acres	7 acres	10.50 gal.
Combine Dryland SB	30,866	5	1,000 acres	7 acres	10.50 gal.
Combine Dryland SG	30,866	5	1,000 acres	7 acres	10.50 gal.
Combine Irr Corn	51,450	5	1,000 acres	7 acres	10.50 gal.
Combine Irr Dry Beans	30,866	5	1,000 acres	5 acres	10.50 gal.
Combine Irr SB	30,866	5	1,000 acres	6 acres	10.50 gal.
Combine Irr SG	30,866	5	1,000 acres	7 acres	10.50 gal.
Combine Irrigated Dry Beans with Draper Flex Platform	79,100	5	1,000 acres	5 acres	10.50 gal.
Combine Small Grain	30,866	5	1,000 acres	7 acres	10.47 gal.
Combine Sunflowers	35,000	5	1,000 acres	7 acres	10.50 gal.
Corrugate	29,000	5	300 acres	7 acres	4.39 gal.
Disc	39,688	5	2,000 acres	11 acres	8.29 gal.
Ditch Irrigation	N/A	N/A	N/A	N/A	N/A
Double Windrows	7,187	20	300 acres	20 acres	2.11 gal.
Drill	62,454	10	1,000 acres	13 acres	4.99 gal.
Drill w/ Fertilizer	62,454	10	1,000 acres	11 acres	5.00 gal.
Dry Grain	Custom	N/A	N/A	N/A	N/A
Fallow Master	56,958	5	2,000 acres	13 acres	8.62 gal.
Field Cultivation	56,958	5	2,000 acres	15 acres	8.20 gal.
Field Cultivation	56,958	5	2,000 acres	15 acres	8.20 gal.
Grass Drill	73,000	10	1,000 acres	9 acres	4.29 gal.
Harrow	N/A	N/A	N/A	N/A	N/A
Hill/Ditch	29,000	5	1,000 acres	12 acres	5.33 gal.

Table 2. Machinery Cost and Performance Data Used for 2015 Budgets (continued)

<i>Operation Name</i>	<i>Machine or Header List Price</i>	<i>Age</i>	<i>Annual Use</i>	<i>Units per Hour</i>	<i>Diesel Use per Hour</i>
Hoe	22,000	5	1,000 acres	15 acres	3.67 gal.
Lg Rd Bale	21,396	5	1,000 tons	10 tons	2.88 gal.
Lg Sq Bale	113,735	5	1,000 tons	16 tons	6.19 gal.
Lift Beets	110,000	5	1,000 acres	6 acres	6.19 gal.
Load Lg Sq	3,971	5	3,000 tons	20 tons	4.00 gal.
Move Lg Rd	3,971	5	3,000 tons	20 tons	4.00 gal.
No-Till Drill	125,418	5	1,000 acres	12 acres	6.07 gal.
Pickett Windrowers	32,000	5	1,000 acres	10 acres	6.07 gal.
Pipe D125' Lift	N/A	N/A	N/A	N/A	N/A
PivotD 125' Lift	65,000	10	2,600 acre-inches	2 acre-inches	3.34 gal.
PivotD 125' Lift w/fertigation	70,000	10	2,600 acre-inches	2 acre-inches	3.34 gal.
PivotE 125' Lift	65,000	10	2,600 acre-inches	2 acre-inches	N/A.
PivotE 125' Lift w/fertigation	70,000	10	2,600 acre-inches	2 acre-inches	N/A
Plant	71,400	5	1,000 acres	10 acres	2.73 gal.
Plant Narrow Row	71,400	5	1,000 acres	10 acres	2.58 gal.
Plant No-Till	125,418	5	1,000 acres	10 acres	3.38 gal.
Plow	14,781	5	1,000 acres	8 acres	6.00 gal.
Ridge Cultivation	29,000	5	1,500 acres	10 acres	5.33 gal.
Ridge Plant	125,418	5	1,500 acres	10 acres	3.41 gal.
Ridge plant and band herb.	128,418	5	1,500 acres	10 acres	3.41 gal.
Rod Weeder	N/A	N/A	N/A	N/A	N/A
Rod Weeder & Fertilizer	N/A	N/A	N/A	N/A	N/A
Roll	N/A	N/A	N/A	N/A	N/A
Roller Harrow	56,958	5	1,000 acres	10 acres	5.00 gal.
Row Crop Cultivation	29,000	5	1,000 acres	11 acres	3.50 gal.
Seeder/Packer	62,545	5	1,000 acres	8 acres	4.29 gal.
Spray	35,000	5	2,500 acres	25 acres	2.64 gal.
Spray (on Disk)	41,688	5	2,000 acres	11 acres	8.29 gal.
Spray (on Field Cultivator)	58,958	5	2,000 acres	15 acres	8.20 gal.
Spray (Prior Year Stubble)	35,000	5	2,500 acres	25 acres	2.64 gal.
Spray Fertilizer	35,000	5	1,000 acres	25 acres	2.64 gal.
Spray fertilizer and herbicide	35,000	5	1,000 acres	25 acres	2.64 gal.
Spread manure	Custom	N/A	N/A	N/A	N/A
Spread, Fertilizer	N/A	N/A	N/A	N/A	N/A
Sm Sq Bale	23,371	5	5,000 tons	4 tons	3.50 gal.
Stack Sm Sq	13,000	5	5,000 tons	4 tons	2.00 gal.
Subsoil	12,000	5	500 acres	9 acres	8.25 gal.
Till Plant Beets	45,000	5	1,000 acres	6 acres	8.25 gal.
Top Beets	50,000	5	1,000 acres	6 acres	3.50 gal.
Truck	Custom	N/A	N/A	N/A	N/A
Turn Windrows	7,187	5	1,000 acres	12 acres	2.10 gal.
Swath/Cond Hay	10,000	5	1,000 acres	8 acres	5.00 gal.
Windrow Grain	10,000	5	500 acres	10 acres	5.00 gal.

Table 3. Material Prices used for 2015 Budgets

<i>Item</i>	<i>Price per Unit</i>
Additives	
21-0-0-24S	\$0.33/lb
32-0-0 (Additive)	\$1.95/gal
Crop Oil Concentrate	\$10.50/gal
NIS	\$23.00/gal
Custom Operation Rates	
Aerial Spray	\$9.50/acre
Bale Lg Sq 1360 lb	\$13.00/bale
Chop, Haul, Pack	\$10.00/ton
Dry 2 Points Removed	\$0.09/bu
Haul & Apply Manure	\$6.00/ton
Haul Beets	\$5.00/ton
Haul Grain (Dry Beans)	\$0.28/cwt
Haul Grain (Millet)	\$0.24/cwt
Haul Grain (Sunflower)	\$0.30/cwt
Haul Grain bu	\$0.11/bu
Load Large Square Bales	\$2.00/bale
Spray	\$7.00/acre
Fertilizers	
10-34-0	\$3.30/gal
10-34-0-1Z	\$3.35/gal
11-52-0	\$0.30/lb
28-0-0	\$1.70/gal
32-0-0	\$0.55/lb N
32-0-0 (Applied by Pivot)	\$0.55/lb N
32-0-0 (Applied by R2)	\$0.55/lb N
46-0-0	\$0.57/lb N
82-0-0	\$0.46/lb N
Uncomposted manure	\$1.00/ton
Fungicides	
Copper	\$3.50/pint
Headline AMP	\$320.00/gal
Pea Seed Inoculant	\$8.00/lb
Priaxor	\$650.00/gal
Quadris	\$425.00/gal
Quilt Xcel	\$280.00/gal
Stratego YLD	\$720.00/gal
Tilt	\$105.00/gal

<i>Item</i>	<i>Price per Unit</i>
Herbicides	
Basagran	\$105.00/gal
Bicep II Magnum	\$50.00/gal
Buctril 4E	\$135.00/gal
Dicamba	\$80.00/gal
Distinct	\$40.00/gal
Expert	\$37.00/gal
Glyphosate w/Surf	\$17.00/gal
Gramoxone SL	\$43.00/gal
Huskie	\$116.00/gal
Landmaster BW	\$19.00/gal
Laudis	\$780.00/gal
Lumax EZ	\$75.00/gal
Outlook	\$140.00/gal
Peak	\$16.00/oz
Prowl H2O	\$49.00/gal
Pursuit	\$480.00/gal
Raptor	\$610.00/gal
Roundup WeatherMax	\$40.00/gal
Rugged	\$40.00/gal
Select Max	\$110.00/gal
Sharpen	\$830.00/gal
Spartan 4F	\$750.00/gal
Spirit	\$14.00/oz
Status	\$3.90/oz
Valor XLT	\$83.00/lb
Velpar 75DF	\$35.00/lb
Vida	\$500.00/gal
Insecticides	
Asana XL	\$80.00/gal
Brigade 2EC	\$145.00/gal
Capture LFR	\$360.00/gal
Lorsban 15 G	\$2.50/lb
Lorsban 4 E	\$50.00/gal
Mustang Max EC	\$190.00/gal
Regent 4 SC	\$9.30/oz
Warrior II/Zeon	\$380.00/gal

Table 3. Material Prices used for 2015 Budgets (continued)

Item	Price per Unit
Seed	
Alfalfa RR w/ Inoculant	\$9.00/lb
Alfalfa w/Inoculant	\$6.00/lb
Corn	\$175.00/bag
Corn Bt ECB	\$200.00/bag
Corn Bt ECB&RW	\$215.00/bag
Corn Bt, ECB, RW & RR2	\$245.00/bag
Corn ECB & RR2	\$230.00/bag
Corn RR2	\$215.00/bag
Corn SmartStax RIB Complete	\$280.00/bag
Edible Beans	\$92.00/cwt
Grass Seed	\$60.00/acre
Millet	\$0.60/lb
Oats	\$9.00/bu
Peas	\$18.00/bu
RR Soybeans	\$44.00/bag
RR Soybeans Treated	\$55.00/bag
RR2 Soybeans	\$47.00/bag
RR2 Soybeans Treated	\$58.00/lb
Sorghum Safened/Insect	\$3.00/lb
Sorghum Sudan	\$1.20/lb
Sugar Beets RR Poncho	\$180.00/acre
Sunflower	\$1.05/lb
Wheat (certified and treated)	\$0.28/lb
Wheat	\$0.12/lb
Rentals	
Grass Drill	\$10.00/acre
Seeder-Packer	\$13.00/acre

Item	Price per Unit
Scouting	
Scouting Drybeans	\$10.00/acre
Scouting Dryland Corn	\$7.00/acre
Scouting Dryland Soybeans	\$7.00/acre
Scouting Grain Sorghum	\$7.00/acre
Scouting Irrigated Corn	\$10.00/acre
Scouting Irrigated SB	\$10.00/acre
Scouting Sugar Beets	\$16.00/acre
Scouting Wheat	\$8.00/acre
Other	
Electricity Fixed	\$28.00/acre
Electricity Usage	\$0.10/kw
2,4-D Amine	\$16.00/gal
2,4-D Ester 4#	\$21.50/gal
AAtrex 4L	\$21.00/gal
Aim 2EC	\$240.00/qt
Ally Extra SGW/TOTSOL	\$9.00/oz
Atrazine 4L	\$14.50/gal
Atrazine 90 DF	\$3.25/lb
Authority First DF	\$90.00/lb
Balance Flexx	\$6.00/oz
Fence/water repairs	\$260.00/circle
Irrigation District O&M Charge	\$30.00/acre
Move Cattle	\$20.00/hour
Twine Lg Rd	\$0.70/bale
Twine Lg Sq	\$1.23/bale

CONVERTING ENERGY NUMBERS IN BUDGETS

If your energy source is different from that used in the 2015 crop budgets, use *Table 4*, developed by Extension Irrigation Engineer Derrel Martin, to convert from diesel to other energy sources.

For example, to convert diesel in gallons to kilowatt-hours of electricity, the multiplier is 14.12. If electricity is \$0.138 per kilowatt, the calculation would be $14.12 \times 0.138 = \$1.95$. The 2015 crop budgets use \$3.25/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*

EnergySource	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 UNL Irrigation Specialist Derrel Martin

DIESEL FUEL CONVERSION FOR CENTER PIVOTS

The 2015 crop production budgets with center pivot irrigation were developed with a pumping lift of 125 feet and 35 psi pressure to determine the amount of diesel fuel used per hour. *Table 5* was developed by Derrel Martin to determine the amount of diesel fuel for various pumping lifts and pressures to pump an acre-inch of water.

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

per acre-inch. If the rating on the producer's pump is 80 percent, the diesel fuel required will be 4.74 gallons per acre-inch of water.

With this information, the producer can calculate the additional cost since the diesel fuel required is now 4.74 gallons per acre-inch vs. 1.88 gallons per acre-inch. This is 2.86 gallons more per acre-inch. If a crop budget requires 9 inches, the additional diesel fuel would be 25.74 gallons of diesel at \$3.50/gallon (9 inches x 2.86 gallons). 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*.

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

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

2015 Budget 1. Alfalfa, Fall Establishment
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
3	Harrow	1		1.18	0.41	0.44	0.00	1.47	0.00	3.50	
4	Harrow	1		1.18	0.41	0.44	0.00	1.47	0.00	3.50	
5	Roll	1		2.22	2.27	0.92	0.00	3.04	0.00	8.45	
6	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
7	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
8	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
Total for Field Operations				11.13	9.03	3.80	4.63	15.77	4.59	48.95	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	11-52-0	Fertilizer	1	100%	100 pound		0.30	30.00	
	Alfalfa w/Inoculant	Seed	6	100%	12 pound		6.00	72.00	
	Buctril 4E	Herbicide	7	100%	0.5 pint		16.88	8.44	
	Pursuit	Herbicide	7	100%	3 ounce		3.75	11.25	
	Lorsban 4 E	Insecticide	8	20%	1 pint		6.25	1.25	
Total Materials & Services								122.94	

Total listed costs for Field Operations and Materials & Services							171.89
Interest on Opns Capital \$ 151.53	cash expense @	5.50%	for 6.0 mo.				4.17

Total Operating and Use Related Ownership Costs							176.06
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Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00
Real Estate Opportunity	Fall Establishment	\$	-	per acre @	4.00%		0.00
Real Estate Taxes		\$	-	per acre @	1.00%		0.00
Total Cost per Acre Including Overhead							196.06

2015 Budget 2. Alfalfa Roundup Ready No-Till, Fall Establishment
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Drill w/ Fertilizer	1		2.18	1.70	0.75	3.63	2.49	2.47	13.22	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
Total for Field Operations				4.38	2.56	1.48	4.99	4.89	4.36	22.66	
					Operation	Percent	Application		Applied	Total	Your
Materials & Services					Index	Acres	Rate	Unit	Price		Estimate
Gramoxone SL			Herbicide	1	100%	2	pint	5.38	10.75		
11-52-0			Fertilizer	2	100%	100	pound	0.30	30.00		
Alfalfa RR w/ Inoculant			Seed	7	100%	12	pound	9.00	108.00		
Roundup WeatherMax			Herbicide	7	100%	44	ounce	0.31	13.75		
Lorsban 4 E			Insecticide	8	20%	1	pint	6.25	1.25		
Total Materials & Services										163.75	
Total listed costs for Field Operations and Materials & Services										186.41	
Interest on Opns Capital \$ 177.16 cash expense @ 5.50% for 6.0 mo.										4.87	
Total Operating and Use Related Ownership Costs										191.28	
Overhead (accounting, liability insurance, vehicle cost, office expense)										20.00	
Real Estate Opportunity		Fall Establishment		\$	-	per acre @	4.00%		0.00		
Real Estate Taxes				\$	-	per acre @	1.00%		0.00		
Total Cost per Acre Including Overhead										211.28	

2015 Budget 3. Alfalfa Roundup Ready, Fall Establishment
Dryland

	Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1 Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2 Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
3 Harrow	1		1.18	0.41	0.44	0.00	1.47	0.00	3.50	
4 Harrow	1		1.18	0.41	0.44	0.00	1.47	0.00	3.50	
5 Roll	1		2.22	2.27	0.92	0.00	3.04	0.00	8.45	
6 Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
7 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
8 Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
Total for Field Operations			11.13	9.03	3.80	4.63	15.77	4.59	48.95	

		Operation	Percent	Application	Applied			Your
Materials & Services		Index	Acres	Rate	Unit	Price	Total	Estimate
11-52-0	Fertilizer	1	100%	100 pound	0.30	30.00		
Alfalfa RR w/ Inoculant	Seed	6	100%	12 pound	9.00	108.00		
Roundup WeatherMax	Herbicide	7	100%	44 ounce	0.31	13.75		
Lorsban 4 E	Insecticide	9	20%	1 pint	6.25	1.25		
Total Materials & Services							153.00	

Total listed costs for Field Operations and Materials & Services 201.95

Interest on Opns Capital \$ 181.59 cash expense @ 5.50% for 6.0 mo. 4.99

Total Operating and Use Related Ownership Costs 206.94

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Fall Establishment \$ - per acre @ 4.00% 0.00

Real Estate Taxes \$ - per acre @ 1.00% 0.00

Total Cost per Acre Including Overhead 226.94

2015 Budget 4. Alfalfa, Establish spring seed w/herb (2.8 ton Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51
2	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71
4	Seeder/Packer	1		3.00	2.01	1.03	3.48	3.42	3.34	16.28
5	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29
7	Swath/Cond Hay	2		5.00	4.67	4.38	0.57	6.92	0.86	22.40
8	Turn Windrows	0.5		0.83	0.33	0.34	0.05	1.14	0.16	2.85
9	Sm Sq Bale	2.80	ton	15.40	9.16	5.77	10.44	19.14	2.62	62.53
10	Stack Sm Sq	2.80	ton	5.60	2.09	2.31	0.80	7.65	1.26	19.71
Total for Field Operations				36.09	24.75	15.72	18.47	47.69	11.92	154.64

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres Applied	Rate	Unit	Price	Estimate
11-52-0	Fertilizer	1	100%	100 pound		0.30	30.00
Seeder-Packer	Rental	4	100%	1 acre		13.00	13.00
Alfalfa w/Inoculant	Seed	4	100%	12 pound		6.00	72.00
Lorsban 4 E	Insecticide	5	20%	1 pint		6.25	1.25
Buctril 4E	Herbicide	6	100%	0.5 pint		16.88	8.44
Pursuit	Herbicide	6	100%	3 ounce		3.75	11.25
Twine Sm Sq	Other	9	100%	2.8 ton		2.22	6.22
Total Materials & Services							142.16

Total listed costs for Field Operations and Materials & Services						296.80
Interest on Opns Capital \$ 237.19 cash expense @ 5.50% for 6.0 mo.						6.52
Total Operating and Use Related Ownership Costs						303.32
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity	Dryland (State)	\$	3,730	per acre @	4.00%	149.20
Real Estate Taxes		\$	3,730	per acre @	1.00%	37.30
Total Cost per Acre Including Overhead						509.82
Cost per ton						182.08
Cash Cost per ton						100.36

2015 Budget 5. Alfalfa Roundup Ready, Establish spring seed (2.8 ton Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51
2	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71
4	Seeder/Packer	1		3.00	2.01	1.03	3.48	3.42	3.34	16.28
5	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29
7	Swath/Cond Hay	2		5.00	4.67	4.38	0.57	6.92	0.86	22.40
8	Turn Windrows	0.5		0.83	0.33	0.34	0.05	1.14	0.16	2.85
9	Sm Sq Bale	2.80	ton	15.40	9.16	5.77	10.44	19.14	2.62	62.53
10	Stack Sm Sq	2.80	ton	5.60	2.09	2.31	0.80	7.65	1.26	19.71
Total for Field Operations				36.09	24.75	15.72	18.47	47.69	11.92	154.64

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres Applied	Rate	Unit	Price	Estimate
11-52-0	Fertilizer	1	100%	100 pound		0.30	30.00
Seeder-Packer	Rental	4	100%	1 acre		13.00	13.00
Alfalfa RR w/ Inoculant	Seed	4	100%	12 pound		9.00	108.00
Lorsban 4 E	Insecticide	5	20%	1 pint		6.25	1.25
Roundup WeatherMax	Herbicide	6	100%	44 ounce		0.31	13.75
Twine Sm Sq	Other	9	100%	2.80 ton		2.22	6.22
Total Materials & Services							172.22

Total listed costs for Field Operations and Materials & Services						326.86
Interest on Opns Capital \$ 267.25 cash expense @ 5.50% for 6.0 mo.						7.35
Total Operating and Use Related Ownership Costs						334.21

Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00
Real Estate Opportunity	Dryland (State)	\$	3,730	per acre @	4.00%	149.20
Real Estate Taxes		\$	3,730	per acre @	1.00%	37.30
Total Cost per Acre Including Overhead						540.71

Cost per ton						193.11
Cash Cost per ton						111.39

2015 Budget 6. Alfalfa, Establish spring seed w/herb (3.8 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
4	Seeder/Packer	1		3.00	2.01	1.03	3.48	3.42	3.34	16.28	
5	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
7	PivotD 125' Lift	12	ai	8.33	83.22	3.92	17.98	5.68	10.76	129.89	
8	Swath/Cond Hay	2		5.00	4.67	4.38	0.57	6.92	0.86	22.40	
9	Turn Windrows	0.5		0.83	0.33	0.34	0.05	1.14	0.16	2.85	
10	Lg Sq Bale	3.80	ton	5.23	5.49	1.96	2.07	6.49	21.63	42.87	
11	Load Lg Sq	3.80	ton	4.18	2.84	1.57	0.17	5.19	0.22	14.17	
12	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
Total for Field Operations				33.33	105.25	15.25	27.76	38.81	41.08	261.48	

		Operation	Percent	Application	Applied		Your
Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
11-52-0	Fertilizer	1	100%	100 pound	0.30	30.00	
Seeder-Packer	Rental	4	100%	1 acre	13.00	13.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.00	72.00	
Lorsban 4 E	Insecticide	5	20%	1 pint	6.25	1.25	
Buctril 4E	Herbicide	6	100%	0.5 pint	16.88	8.44	
Pursuit	Herbicide	6	100%	3 ounce	3.75	11.25	
Twine Lg Sq	Other	10	100%	3.8 ton	1.81	6.86	
Lorsban 4 E	Insecticide	12	100%	1 pint	6.25	6.25	
Total Materials & Services						149.05	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 330.64

cash expense @

5.50% for 6.0 mo.

410.53

9.09

Total Operating and Use Related Ownership Costs

419.62

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

20.00

Real Estate Opportunity

Pivot (State)

\$ 7,685

per acre @

4.00%

307.40

Real Estate Taxes

\$ 7,685

per acre @

1.00%

76.85

Total Cost per Acre Including Overhead

823.87

Cost per ton

216.81

Cash Cost per ton

109.63

2015 Budget 7. Alfalfa Roundup Ready, Establish spring seed (4 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs	Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
4	Seeder/Packer	1		3.00	2.01	1.03	3.48	3.42	3.34	16.28	
5	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
7	PivotD 125'Lift	12	ai	8.33	83.22	3.92	17.98	5.68	10.76	129.89	
8	Swath/Cond Hay	2		5.00	4.67	4.38	0.57	6.92	0.86	22.40	
9	Turn Windrows	0.5		0.83	0.33	0.34	0.05	1.14	0.16	2.85	
10	Lg Sq Bale	4.00	ton	5.50	5.78	2.06	2.18	6.83	22.77	45.12	
11	Load Lg Sq	4.00	ton	4.40	2.99	1.65	0.18	5.47	0.23	14.92	
12	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
Total for Field Operations				33.82	105.69	15.43	27.88	39.43	42.23	264.48	

		Operation	Percent	Application	Applied			Your
	Materials & Services	Index	Acres	Rate	Unit	Price	Total	Estimate
	11-52-0	Fertilizer	1	100%	100 pound	0.30	30.00	
	Seeder-Packer	Rental	4	100%	1 acre	13.00	13.00	
	Alfalfa RR w/ Inoculant	Seed	4	100%	12 pound	9.00	108.00	
	Lorsban 4 E	Insecticide	5	20%	1 pint	6.25	1.25	
	Roundup WeatherMax	Herbicide	6	100%	44 ounce	0.31	13.75	
	Twine Lg Sq	Other	10	100%	4 ton	1.81	7.22	
	Lorsban 4 E	Insecticide	12	100%	1 pint	6.25	6.25	
Total Materials & Services							179.47	

Total listed costs for Field Operations and Materials & Services 443.95

Interest on Opns Capital \$ 362.29 cash expense @ 5.50% for 6.0 mo. 9.96

Total Operating and Use Related Ownership Costs 453.91

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00% 307.40

Real Estate Taxes \$ 7,685 per acre @ 1.00% 76.85

Total Cost per Acre Including Overhead 858.16

Cost per ton 214.54

Cash Cost per ton 112.28

2015 Budget 8. Alfalfa, Fall Seeded with Subsequent Year Production (2.5 ton Actual Yield)
Gravity Irrigated, Canal, 18 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.		Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
3	Roll	1		2.22	2.27	0.92	0.00	3.04	0.00	8.45	
4	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
5	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
6	Corrugate	1		3.13	2.34	1.17	0.87	3.89	5.29	16.69	
7	Swath/Cond Hay	2		5.00	4.67	4.38	0.57	6.92	0.86	22.40	
8	Turn Windrows	0.5		0.83	0.33	0.34	0.05	1.14	0.16	2.85	
9	Lg Rd Bale	2.50	ton	5.50	2.69	2.06	2.57	6.83	2.68	22.33	
10	Move Lg Rd	2.50	ton	2.75	1.87	1.03	0.00	3.42	0.14	9.21	
11	Ditch Irrigation	18	ai	20.00	0.00	0.00	0.00	0.00	0.00	20.00	
12	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
Total for Field Operations				45.98	20.11	11.90	8.69	35.03	13.72	135.43	

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
11-52-0	Fertilizer	2	100%	100 pound	0.30	30.00	
Alfalfa w/Inoculant	Seed	4	100%	12 pound	6.00	72.00	
Oats	Seed	4	100%	0.5 bushel	9.00	4.50	
Lorsban 4 E	Insecticide	5	20%	1 pint	6.25	1.25	
Twine Lg Rd	Other	9	100%	2.5 ton	0.91	2.27	
Irrigation District O&M Charge	Other	11	100%	1 acre	30.00	30.00	
Raptor	Herbicide	12	100%	5 ounce	4.77	23.83	
Total Materials & Services						163.85	

Total listed costs for Field Operations and Materials & Services						299.28	
Interest on Opns Capital \$ 250.53 cash expense @ 5.50% for 6.0 mo.						6.89	
Total Operating and Use Related Ownership Costs						306.17	

Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Gravity (Panhandle)	\$	3,040	per acre @	4.00%	121.60	
Real Estate Taxes		\$	3,040	per acre @	1.00%	30.40	
Total Cost per Acre Including Overhead						478.17	

Cost per ton						191.27	
Cash Cost per ton						115.13	

**2015 Budget 9. Alfalfa, Large Round (4.4 ton Actual Yield)
Dryland**

Field Operations		Qty	Unit	Times or Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power Imp.	Ownership Power Imp.	Total	Your Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	2.15	5.51	
2	Swath/Cond Hay	4		10.00	9.34	8.75	13.84	44.81	
3	Turn Windrows	1		1.67	0.65	0.69	2.28	5.70	
4	Double Windrows	3		3.30	1.18	1.24	4.10	11.16	
5	Lg Rd Bale	4.4	ton	9.68	4.73	4.52	12.03	39.29	
6	Move Lg Rd	4.4	ton	4.84	3.29	1.81	6.01	16.20	
7	Spray	0.25		0.25	0.10	0.16	0.27	1.07	
Total for Field Operations				31.31	20.43	16.84	40.68	123.74	
Materials & Services				Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total Your Estimate
11-52-0			Fertilizer	1	100%	75 pound		0.30	22.50
Twine Lg Rd			Other	4	100%	4.4 ton		0.91	4.00
Mustang Max EC			Insecticide	6	25%	3 ounce		1.48	1.11
Total Materials & Services									27.61
Total listed costs for Field Operations and Materials & Services									151.35
Interest on Opns Capital				\$ 102.28	cash expense @	5.50%	for 6.0 mo.		2.81
Total Operating and Use Related Ownership Costs									154.16
Overhead (accounting, liability insurance, vehicle cost, office expense)									20.00
Real Estate Opportunity			Dryland (State)	\$ 3,730	per acre @		4.00%		149.20
Real Estate Taxes			\$	3,730	per acre @		1.00%		37.30
Total Cost per Acre Including Overhead									360.66
Cost per ton									81.97
Cash Cost per ton									32.36

2015 Budget 10. Alfalfa, Large & Sm Square (6.7 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Swath/Cond Hay	4		10.00	9.34	8.75	1.15	13.84	1.73	44.81	
3	Turn Windrows	1		1.67	0.65	0.69	0.10	2.28	0.31	5.70	
4	Double Windrows	4		4.40	1.58	1.65	0.21	5.47	1.58	14.89	
5	Lg Sq Bale	4.5	ton	6.14	6.45	2.30	2.43	7.63	25.43	50.38	
6	Load Lg Sq	Custom	ton								
7	Sm Sq Bale	2.2	ton	12.28	7.30	4.60	8.33	15.26	2.09	49.86	
8	Stack Sm Sq	2.2	ton	4.47	1.67	1.84	0.64	6.11	1.00	15.73	
9	PivotE 125' Lift	16	ai	11.11	42.47	4.46	23.98	8.07	14.34	104.43	
10	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
11	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
Total for Field Operations				52.14	70.80	25.10	37.16	61.35	46.90	293.45	

		Operation	Percent	Application	Applied		Total	Your
Materials & Services		Index	Acres	Rate	Unit	Price		Estimate
11-52-0	Fertilizer	1	100%	75 pound		0.30	22.50	
Twine Lg Sq	Other	5	67%	4.467 ton		1.81	5.38	
Load Large Square Bales	Custom	6	100%	4.467 ton		2.94	13.12	
Twine Sm Sq	Other	7	33%	2.233 ton		2.22	1.65	
Electricity Fixed	Other	9	100%	1 acre		28.00	28.00	
Pursuit	Herbicide	10	25%	4.5 ounce		3.75	4.22	
Crop Oil Concentrate	Additive	10	25%	2 pint		1.31	0.66	
Mustang Max EC	Insecticide	11	25%	3 ounce		1.48	1.11	
Total Materials & Services							76.64	

Total listed costs for Field Operations and Materials & Services 370.09

Interest on Opns Capital \$ 261.84 cash expense @ 5.50% for 6.0 mo. 7.20

Total Operating and Use Related Ownership Costs 377.29

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00% 307.40

Real Estate Taxes \$ 7,685 per acre @ 1.00% 76.85

Total Cost per Acre Including Overhead 781.54

Cost per ton 116.65

Cash Cost per ton 51.63

2015 Budget 11. Alfalfa Roundup Ready, Large & Sm Square (6.8 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Swath/Cond Hay	4		10.00	9.34	8.75	1.15	13.84	1.73	44.81	
3	Turn Windrows	1		1.67	0.65	0.69	0.10	2.28	0.31	5.70	
4	Double Windrows	4		4.40	1.58	1.65	0.21	5.47	1.58	14.89	
5	Lg Sq Bale	4.5	ton	6.23	6.55	2.33	2.47	7.75	25.81	51.14	
6	Load Lg Sq	Custom	ton								
7	Sm Sq Bale	2.3	ton	12.47	7.41	4.67	8.45	15.49	2.12	50.61	
8	Stack Sm Sq	2.3	ton	4.53	1.69	1.87	0.65	6.20	1.02	15.96	
9	PivotE 125'Lift	16	ai	11.11	42.47	4.46	23.98	8.07	14.34	104.43	
10	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
11	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
Total for Field Operations				53.23	71.32	25.48	37.79	62.61	47.98	298.41	

		Operation	Percent	Application	Applied	Applied	Total	Your
Materials & Services		Index	Acres	Rate	Unit	Price		Estimate
11-52-0	Fertilizer	1	100%	80 pound		0.30	24.00	
Twine Lg Sq	Other	5	67%	4.53 ton		1.81	5.46	
Load Large Square Bales	Custom	6	100%	4.4 ton		2.94	12.92	
Twine Sm Sq	Other	7	33%	2.27 ton		2.22	1.68	
Electricity Fixed	Other	9	100%	1 acre		28.00	28.00	
Roundup WeatherMax	Herbicide	10	100%	44 ounce		0.31	13.75	
Mustang Max EC	Insecticide	11	25%	3 ounce		1.48	1.11	
Total Materials & Services							86.92	

Total listed costs for Field Operations and Materials & Services 385.33

Interest on Opns Capital \$ 274.74 cash expense @ 5.50% for 6.0 mo. 7.56

Total Operating and Use Related Ownership Costs 392.89

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00% 307.40

Real Estate Taxes \$ 7,685 per acre @ 1.00% 76.85

Total Cost per Acre Including Overhead 797.14

Cost per ton 117.23

Cash Cost per ton 52.82

Pivot Irrigated, 800 GPM 35 PSI, 16 acre-inches

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Swath/Cond Hay	3		7.50	7.01	6.57	0.86	10.38	1.29	33.61	
3	Lg Sq Bale	4.4	ton	6.05	6.36	2.27	2.40	7.52	25.05	49.65	
4	Load Lg Sq	Custom	ton								
5	Sm Sq Bale	2.2	ton	12.10	7.19	4.53	8.21	15.04	2.06	49.13	
6	Stack Sm Sq	2.2	ton	4.40	1.64	1.81	0.63	6.01	0.99	15.48	
7	PivotE 125' Lift	16	ai	11.11	42.47	4.46	23.98	8.07	14.34	104.43	
8	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
9	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
Total for Field Operations				43.23	66.01	20.45	36.40	49.71	44.15	259.95	

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres Applied	Rate	Unit	Price	Estimate
11-52-0	Fertilizer	1	100%	75	pound	0.30	22.50
Twine Lg Sq	Other	3	100%	4.4	ton	1.81	7.95
Load Large Square Bales	Custom	4	100%	4.4	ton	2.94	12.92
Twine Sm Sq	Other	5	100%	2.2	ton	2.22	4.89
Electricity Fixed	Other	7	100%	1	acre	28.00	28.00
Velpar 75DF	Herbicide	8	25%	0.66	pound	35.00	5.78
Mustang Max EC	Insecticide	9	25%	3	ounce	1.48	1.11
Total Materials & Services							83.15

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 249.24

cash expense @

5.50% for 6.0 mo.

343.10

6.85 -

Total Operating and Use Related Ownership Costs

349.95

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

Real Estate Opportunity

Pivot (Panhandle)

3,770

per acre @

4.00%

20.00

150.80 -

Real Estate Taxes

\$ 3,770

per acre @

1.00%

37.70 -

Total Cost per Acre Including Overhead

558.45

Cost per ton

84.61

Cash Cost per ton

38.80 -

2015 Budget 13. Alfalfa, Large Square (6.6 ton Actual Yield)
Canal Irrigated, 22 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Swath/Cond Hay	4		10.00	9.34	8.75	1.15	13.84	1.73	44.81	
3	Turn Windrows	1		1.67	0.65	0.69	0.10	2.28	0.31	5.70	
4	Double Windrows	4		4.40	1.58	1.65	0.21	5.47	1.58	14.89	
5	Lg Sq Bale	Custom									
6	Load Lg Sq	Custom									
7	Corrugate	1		3.13	2.34	1.17	0.87	3.89	5.29	16.69	
8	Ditch Irrigation	22	ai	24.44						24.44	
9	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
10	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
Total for Field Operations				45.71	15.25	13.07	2.65	28.17	9.33	114.18	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	11-52-0	Fertilizer	1	100%	75 pound	0.30	22.50	
	Bale Lg Sq 1360 lb	Custom	5	100%	6.6 ton	19.12	126.18	
	Load Large Square Bales	Custom	6	100%	6.6 ton	2.94	19.38	
	Irrigation District O&M Charge	Other	8	100%	1 acre	30.00	30.00	
	Pursuit	Herbicide	9	25%	4.5 ounce	3.75	4.22	
	Crop Oil Concentrate	Additive	9	25%	2 pint	1.31	0.66	
	Mustang Max EC	Insecticide	10	25%	3 ounce	1.48	1.11	
Total Materials & Services							204.05	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 280.73 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity

Gravity (State)

\$ 7,310

per acre @

4.00%

Real Estate Taxes

\$ 7,310

per acre @

1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

107.80

54.78

2015 Budget 14. Alfalfa Roundup Ready, Large Square (6.8 ton Actual Yield)
Canal Irrigated, 22 acre-inches

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Your		
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
2	Swath/Cond Hay	4		10.00	9.34	8.75	1.15	13.84	1.73	44.81	
3	Turn Windrows	1		1.67	0.65	0.69	0.10	2.28	0.31	5.70	
4	Double Windrows	4		4.40	1.58	1.65	0.21	5.47	1.58	14.89	
5	Lg Sq Bale	Custom									
6	Load Lg Sq	Custom									
7	Corrugate	1		3.13	2.34	1.17	0.87	3.89	5.29	16.69	
8	Ditch Irrigation	22	ai	24.44						24.44	
9	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
10	Spray	0.25		0.25	0.10	0.08	0.16	0.27	0.21	1.07	
Total for Field Operations				46.46	15.54	13.32	3.11	28.99	9.98	117.40	

		Operation	Percent Acres	Application	Applied	Total	Your Estimate
Materials & Services		Index	Applied	Rate	Unit	Price	
11-52-0	Fertilizer	1	100%	80 pound		0.30	24.00
Bale Lg Sq 1360 lb	Custom	5	100%	6.8 ton		19.12	130.00
Load Large Square Bales	Custom	6	100%	6.6 ton		2.94	19.38
Irrigation District O&M Charge	Other	8	100%	1 acre		30.00	30.00
Roundup WeatherMax	Herbicide	9	100%	44 ounce		0.31	13.75
Mustang Max EC	Insecticide	10	25%	3 ounce		1.48	1.11
Total Materials & Services							218.24

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 296.67	cash expense @	5.50%	for 6.0 mo.
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Total Operating and Use Related Ownership Costs

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

Gravity (State)

\$	7,310	per acre @	4.00%
\$	7,310	per acre @	1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

2015 Budget 15. Corn, Conventional Tillage, Continuous, 90 bu yield goal (85 bu Actual Yield)
Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Chisel	1		1.98	2.78	0.74	2.01	2.46	1.56	11.53	
2 Anhydrous Apply	1		1.83	1.98	0.69	0.58	2.28	3.94	11.30	
3 Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
4 Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
6 Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
7 Row Crop Cultivation	0.25		0.50	0.30	0.19	0.11	0.62	0.40	2.12	
8 Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
9 Spray	Custom									
10 Combine Dryland Corn	1		3.14	5.61	6.62	1.45	5.42	4.41	26.65	
11 Cart	85	bu	1.21	0.62	0.45	0.78	1.51	0.50	5.07	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations			17.81	17.87	11.97	10.39	23.19	20.73	101.96	

Materials & Services	Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
			Rate	Unit			
82-0-0	Fertilizer	2	100%	85 lbs N	0.46	39.10	
Corn	Seed	4	100%	13.1 k seeds	2.19	28.61	
Capture LFR	Insecticide	4	100%	6.6 ounce	2.81	18.56	
10-34-0	Fertilizer	4	100%	6 gallon	3.30	19.80	
Lumax EZ	Herbicide	5	100%	2.7 quart	18.75	50.63	
Spray	Custom	8	50%	1 acre	7.00	3.50	
Distinct	Herbicide	8	50%	4 ounces	0.31	0.63	
NIS	Additive	8	50%	6 ounce	0.18	0.54	
32-0-0 (Additive)	Additive	8	50%	1 quart	0.39	0.20	
Spray	Custom	9	30%	1 acre	7.00	2.10	
Brigade 2EC	Insecticide	9	10%	5.12 ounce	1.13	0.58	
Mustang Max EC	Insecticide	9	20%	2 ounce	1.48	0.59	
Haul Grain bu	Custom	12	100%	85 bushel	0.11	9.35	
Dry 2 Points Removed	Custom	13	100%	85 bushel	0.09	7.65	
Scouting Dryland Corn	Scouting		100%	1 acre	7.00	7.00	
Corn Dryland	Crop Insurance		100%	1 acre	23.00	23.00	
Total Materials & Services						211.84	

Total listed costs for Field Operations and Materials & Services 313.80

Interest on Opns Capital \$ 269.88 cash expense @ 5.50% for 6.0 mo. 7.42

Total Operating and Use Related Ownership Costs 321.22

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (State) \$ 3,730 per acre @ 4.00% 149.20

Real Estate Taxes \$ 3,730 per acre @ 1.00% 37.30

Total Cost per Acre Including Overhead 527.72

Cost per bu 6.21

Cash Cost per bu 3.70

2015 Budget 16. Corn, No-till, Bt, ECB, RW & RR2 Continuous, 125 bu yield goal (115 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
2	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Spray	Custom									
5	Combine Dryland Corn	1		3.14	5.61	6.62	1.45	5.42	4.41	26.65	
6	Cart	115	bu	1.64	0.84	0.62	1.05	2.04	0.67	6.86	
7	Truck	Custom									
8	Dry Grain	Custom									
Total for Field Operations				9.18	8.49	8.72	7.67	12.37	14.79	61.22	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	32-0-0	Fertilizer	1	100%	115 lbs N	0.55	63.25	
	Expert	Herbicide	1	100%	3 quart	9.25	27.75	
	Corn Bt, ECB, RW & RR2	Seed	2	80%	17.69 k seeds	3.06	43.35	
	Corn RR2	Seed	2	20%	17.69 k seeds	2.69	9.51	
*	Capture LFR	Insecticide	2	20%	6.6 ounce	2.81	3.71	
	10-34-0-1Z	Fertilizer	2	100%	6 gallon	3.35	20.10	
	Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.25	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
	Status	Herbicide	3	50%	2.5 ounce	3.90	4.88	
*	Spray	Custom	4	30%	1 acre	7.00	2.10	
*	Brigade 2EC	Insecticide	4	10%	5.12 ounce	1.13	0.58	
*	Mustang Max EC	Insecticide	4	20%	2 ounce	1.48	0.59	
	Haul Grain bu	Custom	7	100%	115 bushel	0.11	12.65	
	Dry 2 Points Removed	Custom	8	100%	115 bushel	0.09	10.35	
	Scouting Dryland Corn	Scouting		100%	1 acre	7.00	7.00	
	Corn Dryland	Crop Insurance		100%	1 acre	23.00	23.00	
Total Materials & Services							233.63	

*Insecticides for 1st & 2nd brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 267.69	cash expense @	5.50%	for 6.0 mo.	7.36
Total Operating and Use Related Ownership Costs					302.21

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

Real Estate Opportunity	Dryland (State)	\$ 3,730	per acre @	4.00%	149.20
Real Estate Taxes		\$ 3,730	per acre @	1.00%	37.30

Total Cost per Acre Including Overhead 508.71

Cost per bu 4.42

Cash Cost per bu 2.72

2015 Budget 17. Corn, No-till, SmartStax RIB Complete, Continuous, 130 bu yield goal (120 bu Actual Yield)
Dryland

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
2	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Spray	Custom									
5	Combine Dryland Corn	1		3.14	5.61	6.62	1.45	5.42	4.41	26.65	
6	Cart	120	bu	1.71	0.87	0.64	1.10	2.13	0.70	7.15	
7	Truck	Custom									
8	Dry Grain	Custom									
Total for Field Operations				9.25	8.52	8.74	7.72	12.46	14.82	61.51	

		Operation	Percent	Application	Applied		Your
Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
32-0-0	Fertilizer	1	100%	120 lbs N	0.55	66.00	
Expert	Herbicide	1	100%	3 quart	9.25	27.75	
Corn SmartStax RIB Complete	Seed	2	100%	18.5 k seeds	3.50	64.62	
10-34-0	Fertilizer	2	100%	6 gallon	3.30	19.80	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.25	
21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
Status	Herbicide	3	50%	2.5 ounce	3.90	4.88	
Spray	Custom	4	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	4	10%	5.12 ounce	1.13	0.58	
Haul Grain bu	Custom	7	100%	120 bushel	0.11	13.20	
Dry 2 Points Removed	Custom	8	100%	120 bushel	0.09	10.80	
Scouting Dryland Corn	Scouting		100%	1 acre	7.00	7.00	
Corn Dryland	Crop Insurance		100%	1 acre	23.00	23.00	
Total Materials & Services						243.14	

Total listed costs for Field Operations and Materials & Services						304.65	
Interest on Opns Capital \$ 277.37 cash expense @ 5.50% for 6.0 mo.						7.63	
Total Operating and Use Related Ownership Costs						312.28	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (State)	\$	3,730	per acre @	4.00%	149.20	
Real Estate Taxes		\$	3,730	per acre @	1.00%	37.30	
Total Cost per Acre Including Overhead						518.78	
Cost per bu						4.32	
Cash Cost per bu						2.69	

2015 Budget 18. Corn, No-Till, Bt ECB After Soybean, 135 bu yield goal (125 bu Actual Yield)
Dryland

Crop Follows a Legume

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
2	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
5	Spray	Custom									
6	Combine Dryland Corn	1		3.14	5.61	6.62	1.45	5.42	4.41	26.65	
7	Cart	125	bu	1.79	0.91	0.67	1.14	2.22	0.73	7.46	
8	Truck	Custom									
9	Dry Grain	Custom									
Total for Field Operations				9.83	8.76	8.93	8.07	13.10	15.28	63.97	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	32-0-0	Fertilizer	1	100%	80 lbs N	0.55	44.00	
	Corn Bt ECB	Seed	2	80%	19.2 k seeds	2.50	38.46	
	Corn	Seed	2	20%	19.2 k seeds	2.19	8.41	
	10-34-0	Fertilizer	2	100%	6 gallon	3.30	19.80	
	Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50	26.25	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
	Laudis	Herbicide	4	50%	3 ounce	6.09	9.14	
	Atrazine 90 DF	Herbicide	4	50%	0.5 pound	3.25	0.81	
	Crop Oil Concentrate	Additive	4	50%	1 pint	1.31	0.66	
	32-0-0 (Additive)	Additive	4	50%	1.5 quart	0.39	0.29	
*	Spray	Custom	5	30%	1 acre	7.00	2.10	
*	Brigade 2EC	Insecticide	5	10%	5.12 ounce	1.13	0.58	
*	Mustang Max EC	Insecticide	5	20%	2 ounce	1.48	0.59	
	Haul Grain bu	Custom	8	100%	125 bushel	0.11	13.75	
	Dry 2 Points Removed	Custom	9	50%	125 bushel	0.09	5.63	
	Scouting Dryland Corn	Scouting		100%	1 acre	7.00	7.00	
	Corn Dryland	Crop Insurance		100%	1 acre	23.00	23.00	
Total Materials & Services							201.03	

*Insecticides for 1st & 2nd brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services 265.00

Interest on Opns Capital \$ 236.62 cash expense @ 5.50% for 6.0 mo. 6.51

Total Operating and Use Related Ownership Costs 271.51

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (State) \$ 3,730 per acre @ 4.00% 149.20

Real Estate Taxes \$ 3,730 per acre @ 1.00% 37.30

Total Cost per Acre Including Overhead 478.01

Cost per bu 3.82

Cash Cost per bu 2.24

**2015 Budget 19. EcoFallow Corn, Follows Wheat, 2 Crops in 3 Yr, RR2&Bt ECB, 125 bu yield goal (115 bu Actual Yield)
Dryland**

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2 Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3 Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
4 Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
5 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
6 Spray	Custom									
7 Combine Dryland Corn	1		3.14	5.61	6.62	1.45	5.42	4.41	26.65	
8 Cart	115	bu	1.64	0.84	0.62	1.05	2.04	0.67	6.86	
9 Truck	Custom									
10 Dry Grain	Custom									
Total for Field Operations			11.18	9.27	9.38	8.91	14.55	16.51	69.80	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56	
Rugged	Herbicide	1	100%	1 quart		10.00	10.00	
AAtrex 4L	Herbicide	2	100%	1.5 quart		5.25	7.88	
Glyphosate w/Surf	Herbicide	2	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	2	100%	1.7 pound		0.33	0.56	
32-0-0	Fertilizer	3	100%	115 lbs N		0.55	63.25	
AAtrex 4L	Herbicide	3	100%	0.5 quart		5.25	2.63	
Balance Flexx	Herbicide	3	100%	4 ounce		6.00	24.00	
10-34-0	Fertilizer	4	100%	6 gallon		3.30	19.80	
Corn ECB & RR2	Seed	4	80%	17.7 k seeds		2.88	40.69	
Corn RR2	Seed	4	20%	17.7 k seeds		2.69	9.51	
Glyphosate w/Surf	Herbicide	5	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	5	100%	1.7 pound		0.33	0.56	
Status	Herbicide	5	50%	2.5 ounce		3.90	4.88	
* Spray	Custom	6	30%	1 acre		7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce		1.13	0.58	
* Mustang Max EC	Insecticide	6	20%	2 ounce		1.48	0.59	
Haul Grain bu	Custom	9	100%	115 bushel		0.11	12.65	
Dry 2 Points Removed	Custom	10	100%	115 bushel		0.09	10.35	
Scouting Dryland Corn	Scouting		100%	1 acre		7.00	7.00	
Corn Dryland Ecofallow	Crop Insurance		100%	1 acre		20.00	20.00	
Total Materials & Services							250.34	

*Insecticides for 1st & 2nd brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services 320.14

Interest on Opns Capital \$ 289.08 cash expense @ 5.50% for 6.0 mo. 7.95

Total Operating and Use Related Ownership Costs 328.09

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Southwest) \$ 1,965 per acre @ 4.00% 78.60

Real Estate Taxes \$ 1,965 per acre @ 1.00% 19.65

Total Cost per Acre Including Overhead 446.34

Cost per bu 3.88

Cash Cost per bu 2.75

2015 Budget 20. Corn, Ridge-Till, Bt,ECB & RW, Continuous, 230 bu yield goal (215 bu Actual Yield)
Gravity Irrigated, 1,000 GPM 10 PSI, 18 acre-inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
2 Anhydrous Apply	1		1.83	1.98	0.69	0.58	2.28	3.94	11.30	
3 Ridge plant and band herb.	1		2.40	1.27	0.82	6.98	2.73	4.68	18.88	
4 Ridge Cultivation	1		2.00	1.99	0.82	0.86	2.73	1.06	9.46	
5 Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
6 Spray	Custom									
7 Spray	Custom									
8 Pipe D125' Lift	18	ai	33.33	90.60	4.70	3.42	8.00	6.08	146.13	
9 Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
10 Cart	215	bu	3.07	1.57	1.15	1.97	3.82	1.26	12.84	
11 Truck	Custom									
12 Dry Grain	Custom									
13 Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations			49.58	106.50	16.23	16.10	29.70	24.94	243.05	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
2,4-D Ester 4#	Herbicide	1	20%	1.5 pint		2.69	0.81	
Glyphosate w/Surf	Herbicide	1	20%	32 ounce		0.13	0.85	
21-0-0-24S	Additive	1	20%	1.7 pound		0.33	0.11	
82-0-0	Fertilizer	2	100%	215 lbs N		0.46	98.90	
Corn Bt ECB&RW	Seed	3	80%	33.1 k seeds		2.69	71.12	
Corn	Seed	3	20%	33.1 k seeds		2.19	14.47	
* Capture LFR	Insecticide	3	20%	6.6 ounce		2.81	3.71	
10-34-0	Fertilizer	3	100%	6 gallon		3.30	19.80	
Bicep II Magnum	Herbicide	3	40%	1.8 quart		12.50	9.00	
Spray	Custom	6	50%	1 acre		7.00	3.50	
Laudis	Herbicide	6	50%	3 ounce		6.09	9.14	
Atrazine 90 DF	Herbicide	6	50%	0.5 pound		3.25	0.81	
Crop Oil Concentrate	Additive	6	50%	1 pint		1.31	0.66	
32-0-0 (Additive)	Additive	6	50%	1.5 quart		0.39	0.29	
* Spray	Custom	6	30%	1 acre		7.00	2.10	
* Brigade 2EC	Insecticide	6	10%	5.12 ounce		1.13	0.58	
* Mustang Max EC	Insecticide	6	20%	2 ounce		1.48	0.59	
Spray	Custom	7	40%	1 acre		7.00	2.80	
Headline AMP	Fungicide	7	40%	10 ounce		2.50	10.00	
Haul Grain bu	Custom	11	100%	215 bushel		0.11	23.65	
Dry 2 Points Removed	Custom	12	100%	215 bushel		0.09	19.35	
Scouting Irrigated Corn	Scouting		100%	1 acre		10.00	10.00	
Corn Irrigated	Crop Insurance		100%	1 acre		10.00	10.00	
Total Materials & Services							312.24	

*Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services 555.29

Interest on Opns Capital \$ 500.65 cash expense @ 5.50% for 6.0 mo. 13.77

Total Operating and Use Related Ownership Costs 569.06

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Gravity (State) \$ 7,310 per acre @ 4.00% 292.40

Real Estate Taxes \$ 7,310 per acre @ 1.00% 73.10

Total Cost per Acre Including Overhead 954.56

Cost per bu 4.44

Cash Cost per bu 2.73

2015 Budget 21. Corn, Ridge-Till, SmartStax, RIB Complete, Continuous, 240 bu yield goal (225 bu Actual Yield)
Gravity Irrigated, 1,000 GPM 10 PSI, 18 acre-inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
2 Anhydrous Apply	1		1.83	1.98	0.69	0.58	2.28	3.94	11.30	
3 Ridge plant and band herb.	1		2.40	1.27	0.82	6.98	2.73	4.68	18.88	
4 Ridge Cultivation	1		2.00	1.99	0.82	0.86	2.73	1.06	9.46	
5 Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
6 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
7 Spray	Custom									
8 Spray	Custom									
9 Pipe D125' Lift	18	ai	33.33	90.60	4.70	3.42	8.00	6.08	146.13	
10 Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
11 Cart	225	bu	3.21	1.64	1.20	2.06	3.99	1.32	13.42	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations			50.72	106.96	16.61	16.81	30.96	25.86	247.92	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
2,4-D Ester 4#	Herbicide	1	20%	1.5 pint		2.69	0.81	
Glyphosate w/Surf	Herbicide	1	20%	32 ounce		0.13	0.85	
21-0-0-24S	Additive	1	20%	1.7 pound		0.33	0.11	
82-0-0	Fertilizer	2	100%	225 lbs N		0.46	103.50	
Corn SmartStax RIB Complete	Seed	3	100%	34.6 k seeds		3.50	121.15	
10-34-0	Fertilizer	3	100%	6 gallon		3.30	19.80	
Bicep II Magnum	Herbicide	3	40%	1.8 quart		12.50	9.00	
Glyphosate w/Surf	Herbicide	6	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	6	100%	1.7 pound		0.33	0.56	
Status	Herbicide	6	100%	2.5 ounce		3.90	9.75	
Spray	Custom	7	10%	1 acre		7.00	0.70	
Brigade 2EC	Insecticide	7	10%	5.12 ounce		1.13	0.58	
Spray	Custom	8	40%	1 acre		7.00	2.80	
Headline AMP	Fungicide	8	40%	10 ounce		2.50	10.00	
Haul Grain bu	Custom	12	100%	225 bushel		0.11	24.75	
Dry 2 Points Removed	Custom	13	100%	225 bushel		0.09	20.25	
Scouting Irrigated Corn	Scouting		100%	1 acre		10.00	10.00	
Corn Irrigated	Crop Insurance		100%	1 acre		10.00	10.00	
Total Materials & Services							348.86	

Total listed costs for Field Operations and Materials & Services 596.78

Interest on Opns Capital \$ 539.96 cash expense @ 5.50% for 6.0 mo. 14.85

Total Operating and Use Related Ownership Costs 611.63

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Gravity (State) \$ 7,310 per acre @ 4.00% 292.40

Real Estate Taxes \$ 7,310 per acre @ 1.00% 73.10

Total Cost per Acre Including Overhead 997.13

Cost per bu 4.43

Cash Cost per bu 2.79

2015 Budget 22. Corn, Continuous, SmartStax RIB Complete, 190 bu yield goal (180 bu Actual Yield)
Canal Irrigated, Gravity, 15 acre-inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2 Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3 Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
4 Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
6 Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
7 Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
8 Spray	Custom									
9 Spray	Custom									
10 Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
11 Cart	180	bu	2.57	1.31	0.96	1.65	3.20	1.05	10.74	
12 Truck	Custom									
13 Dry Grain	Custom									
14 Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
15 Ditch Irrigation	15	ai	16.67	0.00	0.00	0.00	0.00	0.00	16.67	
Total for Field Operations			35.88	18.19	12.01	9.93	26.48	19.87	122.36	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
32-0-0	Fertilizer	3	100%	180 lbs N	0.55	99.00	
Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50	26.25	
10-34-0	Fertilizer	4	100%	8 gallon	3.30	26.40	
Corn SmartStax RIB Complete	Seed	4	100%	36.7 k seeds	3.50	128.45	
32-0-0	Fertilizer	5	100%	40 lbs N	0.55	22.00	
Spray	Custom	8	10%	1 acre	7.00	0.70	
Brigade 2EC	Insecticide	8	10%	5.12 ounce	1.13	0.58	
Spray	Custom	9	40%	1 acre	7.00	2.80	
Headline AMP	Fungicide	9	40%	10 ounce	2.50	10.00	
Haul Grain bu	Custom	12	100%	180 bushel	0.11	19.80	
Dry 2 Points Removed	Custom	13	100%	180 bushel	0.09	16.20	
Irrigation District O&M Charge	Other	15	100%	1 acre	30.00	30.00	
Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
Corn Irrigated	Crop Insurance		100%	1 acre	10.00	10.00	
Total Materials & Services						426.18	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 502.19 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Gravity (Panhandle) \$ 3,040 per acre @ 4.00%
Real Estate Taxes \$ 3,040 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

548.54

13.81

562.35

20.00

121.60

30.40

734.35

4.08

2.87

2015 Budget 23. Corn, No-Till, Bt ECB&RW, Continuous, 240 bu yield goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
4	PivotD 125'Lift w/fertigation	9	ai	8.33	62.42	2.94	14.53	4.26	8.69	101.17	
5	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
6	Spray	Custom									
7	Spray	Custom									
8	Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
9	Cart	225	bu	3.21	1.64	1.20	2.06	3.99	1.32	13.42	
10	Truck	Custom									
11	Dry Grain	Custom									
Total for Field Operations				18.78	71.60	12.14	23.49	18.26	22.67	166.94	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	2,4-D Ester 4#	Herbicide	1	20%	1.5 pint	2.69	0.81	
	Glyphosate w/Surf	Herbicide	1	20%	32 ounce	0.13	0.85	
	21-0-0-24S	Additive	1	20%	1.7 pound	0.33	0.11	
	Lumax EZ	Herbicide	2	100%	2.7 quart	18.75	50.63	
	Atrazine 4L	Herbicide	3	100%	1.0 quart	3.63	3.63	
	Corn Bt ECB&RW	Seed	3	80%	34.6 k seeds	2.69	74.42	
*	Corn	Seed	3	20%	34.6 k seeds	2.19	15.14	
	Capture LFR	Insecticide	3	20%	6.6 ounce	2.81	3.71	
	10-34-0	Fertilizer	3	100%	6 gallon	3.30	19.80	
	32-0-0 (Applied by R2)	Fertilizer	4	100%	225 lbs N	0.55	123.75	
	Laudis	Herbicide	5	50%	3 ounce	6.09	9.14	
	Atrazine 90 DF	Herbicide	5	50%	0.5 pound	3.25	0.81	
	Crop Oil Concentrate	Additive	5	50%	1 pint	1.31	0.66	
*	32-0-0 (Additive)	Additive	5	50%	1.5 quart	0.39	0.29	
*	Spray	Custom	6	30%	1 acre	7.00	2.10	
*	Brigade 2EC	Insecticide	6	10%	5.12 ounce	1.13	0.58	
	Mustang Max EC	Insecticide	6	20%	2 ounce	1.48	0.59	
	Spray	Custom	7	40%	1 acre	7.00	2.80	
	Headline AMP	Fungicide	7	40%	10 ounce	2.50	10.00	
	Haul Grain bu	Custom	10	100%	225 bushel	0.11	24.75	
	Dry 2 Points Removed	Custom	11	100%	225 bushel	0.09	20.25	
	Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
	Corn Irrigated	Crop Insurance		100%	1 acre	10.00	10.00	
Total Materials & Services							384.82	

*Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services							551.76	
Interest on Opns Capital	\$ 510.83	cash expense @	5.50%	for 6.0 mo.			14.05	

Total Operating and Use Related Ownership Costs							565.81	
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Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,685	per acre @	4.00%			307.40	
Real Estate Taxes		\$ 7,685	per acre @	1.00%			76.85	

Total Cost per Acre Including Overhead							970.06	
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Cost per bu							4.31	
Cash Cost per bu							2.67	

2015 Budget 24. Corn, No-Till, SmartStax, RIB Complete, Continuous, 250 bu yield goal (235 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
4	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
5	Spray	Custom									
6	Spray	Custom									
7	PivotD 125' Lift w/fertigation	9	ai	8.33	62.42	2.94	14.53	4.26	8.69	101.17	
8	Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
9	Cart	235		3.36	1.71	1.26	2.15	4.17	1.38	14.03	
10	Truck	Custom	bu								
11	Dry Grain	Custom									
Total for Field Operations				18.93	71.43	12.20	21.70	18.44	19.85	162.55	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	2,4-D Ester 4#	Herbicide	1	20%	1.5 pint	2.69	0.81	
	Glyphosate w/Surf	Herbicide	1	20%	32 ounce	0.13	0.85	
	21-0-0-24S	Additive	1	20%	1.7 pound	0.33	0.11	
	Lumax EZ	Herbicide	2	100%	2.7 quart	18.75	50.63	
	Corn SmartStax RIB Complete	Seed	3	100%	36.2 k seeds	3.50	126.54	
	10-34-0	Fertilizer	3	100%	6 gallon	3.30	19.80	
	32-0-0 (Applied by R2)	Fertilizer	7	100%	235 lbs N	0.55	129.25	
	Glyphosate w/Surf	Herbicide	4	50%	32 ounce	0.13	2.13	
	21-0-0-24S	Additive	4	50%	1.7 pound	0.33	0.28	
	Status	Herbicide	4	50%	2.5 ounce	3.90	4.88	
	Spray	Custom	5	10%	1 acre	7.00	0.70	
	Brigade 2EC	Insecticide	5	10%	5.12 ounce	1.13	0.58	
	Spray	Custom	6	40%	1 acre	7.00	2.80	
	Headline AMP	Fungicide	6	40%	10 ounce	2.50	10.00	
	Haul Grain bu	Custom	10	100%	235 bushel	0.11	25.85	
	Dry 2 Points Removed	Custom	11	100%	235 bushel	0.09	21.15	
	Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
	Corn Irrigated	Crop Insurance		100%	1 acre	10.00	10.00	
Total Materials & Services							416.36	

Total listed costs for Field Operations and Materials & Services 578.91

Interest on Opns Capital \$ 540.62 cash expense @ 5.50% for 6.0 mo. 14.87

Total Operating and Use Related Ownership Costs 593.78

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00% 307.40

Real Estate Taxes \$ 7,685 per acre @ 1.00% 76.85

Total Cost per Acre Including Overhead 998.03

Cost per bu 4.25

Cash Cost per bu 2.69

2015 Budget 25. Corn, Bt ECB&RW, Continuous, 230 bu yield goal (215 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
6	Row Crop Cultivation	0.25		0.50	0.30	0.19	0.11	0.62	0.40	2.12	
7	Spray	Custom									
8	Spray	Custom									
9	PivotD 125'Lift w/fertigation	13	ai	12.04	90.16	4.25	20.98	6.15	12.55	146.13	
10	Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
11	Cart	215	bu	3.07	1.57	1.15	1.97	3.82	1.26	12.84	
12	Truck	Custom									
13	Dry Grain	Custom									
14	Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations				29.42	106.86	15.62	30.81	30.50	29.29	242.50	

			Operation	Percent	Application	Applied		Your
Materials & Services			Index	Acres	Rate	Unit	Price	Total
				Applied				Estimate
Balance Flexx	Herbicide	3	100%	4	ounce	6.00	24.00	
Bicep II Magnum	Herbicide	3	100%	2.1	quart	12.50	26.25	
Corn Bt ECB&RW	Seed	4	80%	33.1	k seeds	2.69	71.12	
Corn	Seed	4	20%	33.1	k seeds	2.19	14.47	
10-34-0	Fertilizer	4	100%	6	gallon	3.30	19.80	
Capture LFR	Insecticide	4	20%	6.6	ounce	2.81	3.71	
32-0-0 (Applied by R2)	Fertilizer	9	100%	215	lbs N	0.55	118.25	
* Spray	Custom	7	30%	1	acre	7.00	2.10	
* Brigade 2EC	Insecticide	7	10%	5.12	ounce	1.13	0.58	
* Mustang Max EC	Insecticide	7	20%	2	ounce	1.48	0.59	
Spray	Custom	8	40%	1	acre	7.00	2.80	
Headline AMP	Fungicide	8	40%	10	ounce	2.50	10.00	
Haul Grain bu	Custom	12	100%	215	bushel	0.11	23.65	
Dry 2 Points Removed	Custom	13	100%	215	bushel	0.09	19.35	
Scouting Irrigated Corn	Scouting		100%	1	acre	10.00	10.00	
Corn Irrigated	Crop Insurance		100%	1	acre	10.00	10.00	
Total Materials & Services							356.67	

*Insecticides for rootworm (refuge), 1st brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services					599.17
	Interest on Opns Capital	\$ 539.38	cash expense @	5.50% for 6.0 mo.	14.83
Total Operating and Use Related Ownership Costs					614.00
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00
Real Estate Opportunity	Pivot (State)	\$ 7,685	per acre @	4.00%	307.40
Real Estate Taxes		\$ 7,685	per acre @	1.00%	76.85
Total Cost per Acre Including Overhead					1,018.25
Cost per bu					4.74
Cash Cost per bu					2.94

2015 Budget 26. Corn, SmartStax RIB Complete, 190 bu Yield Goal (180 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 acre-inches

		Times or		Labor @	Fuel @ \$3.25		Repairs		Ownership		Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
6	Spray	Custom									
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	PivotE 125' Lift w/fertigation	13		12.04	34.51	3.62	20.98	6.56	12.55	90.26	
10	Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
11	Cart	180	bu	2.57	1.31	0.96	1.65	3.20	1.05	10.74	
12	Truck	Custom									
13	Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations				28.42	50.65	14.61	30.38	29.67	28.68	182.41	

			Operation	Percent					Your
	Materials & Services		Index	Acres	Application	Applied	Unit	Price	Estimate
	32-0-0	Fertilizer	3	100%	180 lbs N	0.55		99.00	
	Balance Flexx	Herbicide	3	100%	4 ounce	6.00		24.00	
	Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50		26.25	
	10-34-0	Fertilizer	4	100%	8 gallon	3.30		26.40	
	Corn SmartStax RIB Complete	Seed	4	100%	36.8 k seeds	3.50		128.80	
	32-0-0 (Applied by R2)	Fertilizer	8	100%	40 lbs N	0.55		22.00	
	Spray	Custom	6	100%	1 acre	7.00		7.00	
	Glyphosate w/Surf	Herbicide	6	100%	32 ounce	0.13		4.25	
	Dicamba	Herbicide	6	100%	12 ounce	0.63		7.50	
	Aerial Spray	Custom	7	10%	1 acre	9.50		0.95	
	Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.13		0.58	
	Aerial Spray	Custom	7	40%	1 acre	9.50		3.80	
	Headline AMP	Fungicide	7	40%	10 ounce	2.50		10.00	
	Electricity Fixed	Other	8	100%	1 acre	28.00		28.00	
	Haul Grain bu	Custom	11	100%	180 bushel	0.11		19.80	
	Dry 2 Points Removed	Custom	11	100%	180 bushel	0.09		16.20	
	Scouting Irrigated Corn	Scouting		100%	1 acre	10.00		10.00	
	Corn Irrigated	Crop Insurance		100%	1 acre	10.00		10.00	
Total Materials & Services									444.53

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 568.59 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00%
Real Estate Taxes \$ 3,770 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

626.94	
15.64	
642.58	
20.00	
150.80	
37.70	
851.08	
4.73	
3.25	

2015 Budget 27. Corn, SmartStax, RIB Complete, Continuous, 240 bu yield goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 13 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
6	Row Crop Cultivation	0.25		0.50	0.30	0.19	0.11	0.62	0.40	2.12	
7	Spray	Custom									
8	Spray	Custom									
9	PivotD 125' Lift w/fertigation	13	ai	12.04	90.16	4.25	20.98	6.15	12.55	146.13	
10	Combine Irr Corn	1		3.14	5.61	6.62	1.48	5.42	4.50	26.77	
11	Cart	225	bu	3.21	1.64	1.20	2.06	3.99	1.32	13.42	
12	Truck	Custom									
13	Dry Grain	Custom									
14	Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
Total for Field Operations				29.56	106.93	15.67	30.90	30.67	29.35	243.08	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Balance Flexx	Herbicide	3	100%	4 ounce	6.00	24.00	
	Bicep II Magnum	Herbicide	3	100%	2.1 quart	12.50	26.25	
	Corn SmartStax RIB Complete	Seed	4	100%	34.6 k seeds	3.50	121.15	
	10-34-0	Fertilizer	4	100%	6 gallon	3.30	19.80	
	32-0-0 (Applied by R2)	Fertilizer	9	100%	225 lbs N	0.55	123.75	
	Spray	Custom	7	10%	1 acre	7.00	0.70	
	Brigade 2EC	Insecticide	7	10%	5.12 ounce	1.13	0.58	
	Spray	Custom	8	40%	1 acre	7.00	2.80	
	Headline AMP	Fungicide	8	40%	10 ounce	2.50	10.00	
	Haul Grain bu	Custom	12	100%	225 bushel	0.11	24.75	
	Dry 2 Points Removed	Custom	13	100%	225 bushel	0.09	20.25	
	Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
	Corn Irrigated	Crop Insurance		100%	1 acre	10.00	10.00	
Total Materials & Services				31,200 seeds per acre, 80,000 per bag, 5% Refuge			394.03	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 577.09	cash expense @ 5.50% for 6.0 mo.	637.11
Total Operating and Use Related Ownership Costs		15.87
		652.98

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

Real Estate Opportunity	Pivot (State)	\$ 7,685	per acre @ 4.00%	307.40
Real Estate Taxes		\$ 7,685	per acre @ 1.00%	76.85

Total Cost per Acre Including Overhead 1,057.23

Cost per bu	4.70
Cash Cost per bu	2.98

2015 Budget 28. Corn, No-Till, Bt ECB, after beans, 240 bu yield goal (225 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

Crop Follows a Legume

Field Operations	Times or Qty	Unit	Labor @		Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
			\$20.00	/Hr		Power	Imp.	Power	Imp.		
1 Spray	1			1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2 Plant No-Till	1			2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3 PivotD 125'Lift w/fertigation	9	ai		8.33	62.42	2.94	14.53	4.26	8.69	101.17	
4 Spray	0.5			0.50	0.20	0.16	0.31	0.55	0.43	2.15	
5 Spray	Custom										
6 Spray	Custom										
7 Combine Irr Corn	1			3.14	5.61	6.62	1.48	5.42	4.50	26.77	
8 Cart	225	bu		3.21	1.64	1.20	2.06	3.99	1.32	13.42	
9 Truck	Custom										
10 Dry Grain	Custom										
Total for Field Operations				18.58	71.52	12.07	23.37	18.04	22.50	166.08	

Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Lumax EZ	1	100%	2.7 quart		18.75	50.63	
Grass Drill	1	100%	1.5 acre		10.00	15.00	
NIS	1	100%	6 ounce		0.18	1.08	
Corn Bt ECB	2	80%	34.6 k seeds		2.50	69.23	
Corn	2	20%	34.6 k seeds		2.19	15.14	
10-34-0	2	100%	6 gallon		3.30	19.80	
32-0-0 (Applied by R2)	3	100%	180 lbs N		0.55	99.00	
Laudis	4	50%	3 ounce		6.09	9.14	
Atrazine 90 DF	4	50%	3 pound		3.25	4.88	
Crop Oil Concentrate	4	50%	0.5 pint		1.31	0.33	
32-0-0 (Additive)	4	50%	1.5 quart		0.39	0.29	
* Spray	5	30%	1 acre		7.00	2.10	
* Brigade 2EC	5	10%	5.12 ounce		1.13	0.58	
* Mustang Max EC	5	20%	2 ounce		1.48	0.59	
Spray	6	25%	1 acre		7.00	1.75	
Headline AMP	6	25%	10 ounce		2.50	6.25	
Haul Grain bu	9	100%	225 bushel		0.11	24.75	
Dry 2 Points Removed	10	50%	225 bushel		0.09	10.13	
Scouting Irrigated Corn		100%	1 acre		10.00	10.00	
Corn Irrigated		100%	1 acre		10.00	10.00	
Total Materials & Services						350.67	

*Insecticide for 1st brood European corn borer (10% of refuge), western bean cutworm, and spider mites, respectively.

Total listed costs for Field Operations and Materials & Services

516.75

Interest on Opns Capital \$ 476.21 cash expense @ 5.50% for 6.0 mo.

13.10

Total Operating and Use Related Ownership Costs

529.85

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

20.00

Real Estate Opportunity

Pivot (State)

\$ 7,685

per acre @

4.00%

307.40

Real Estate Taxes

\$ 7,685

per acre @

1.00%

76.85

Total Cost per Acre Including Overhead

934.10

Cost per bu

4.15

Cash Cost per bu

2.52

2015 Budget 29. Corn Silage, No-Till following corn (26 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 12 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Spread manure	Custom									
3	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
4	Spray	Custom									
5	PivotD 125' Lift	12	ai	8.33	83.22	3.92	17.98	5.68	10.76	129.89	
6	Aerial Spray	Custom									
7	Chop Silage	Custom									
Total for Field Operations				11.73	84.87	5.07	22.97	9.50	18.32	152.46	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.69	2.69	
	Uncomposted manure	Fertilizer	2	100%	20 ton	1.00	20.00	
	Haul & Apply Manure	Custom	2	100%	20 ton	6.00	120.00	
	Bicep II Magnum	Herbicide	3	100%	1.4 quart	12.50	17.50	
	Corn	Seed	3	100%	30.8 k seeds	2.19	67.31	
	Capture LFR	Insecticide	3	100%	6.6 ounce	2.81	18.56	
	Spray	Custom	4	50%	1 acre	7.00	3.50	
	Status	Herbicide	4	50%	5 ounce	3.90	9.75	
	NIS	Additive	4	50%	6 ounce	0.18	0.54	
	32-0-0 (Additive)	Additive	4	50%	1 quart	0.39	0.20	
*	Aerial Spray	Custom	6	15%	1 acre	9.50	1.43	
*	Brigade 2EC	Insecticide	6	10%	2.5 ounce	1.13	0.28	
*	Mustang Max EC	Insecticide	6	5%	2 ounce	1.48	0.15	
	Chop, Haul, Pack	Custom	7	100%	25 ton	10.00	250.00	
	Scouting Irrigated Corn	Scouting		100%	1 acre	10.00	10.00	
	Corn Irrigated	Crop Insurance		100%	1 acre	10.00	10.00	
Total Materials & Services							531.91	

*Insecticide for rootworm, 1st & 2nd brood European corn borer western bean cutworm, respectively.

Total listed costs for Field Operations and Materials & Services							684.37	
Interest on Opns Capital \$ 656.55 cash expense @ 5.50% for 6.0 mo.							18.06	
Total Operating and Use Related Ownership Costs							702.43	
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00%							307.40	
Real Estate Taxes \$ 7,685 per acre @ 1.00%							76.85	
Total Cost per Acre Including Overhead							1,106.68	

Cost per ton	42.56
Cash Cost per ton	28.90

2015 Budget 30. Dry Beans, Reduced Till with wheat cover crop after harvest (25 cwt Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 8 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5	PivotE 125' Lift	8	ai	5.56	21.24	2.23	11.99	4.04	7.17	52.23	
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
7	Aerial Spray	Custom									
8	Aerial Spray	Custom									
9	Pickett Windrowers	1		2.20	2.27	0.82	0.72	2.73	1.38	10.12	
10	Combine Irr Dry Beans	1		4.40	7.85	9.26	1.93	7.59	2.70	33.73	
11	Truck	Custom									
12	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
Total for Field Operations				21.81	39.53	15.29	23.53	27.42	21.91	149.49	

		Operation	Percent	Application	Applied		Your
	Materials & Services	Index	Acres	Rate	Unit	Price	Estimate
	Outlook	Herbicide	3	100%	14 ounce	1.09	15.31
	Prowl H2O	Herbicide	3	100%	2 pint	6.13	12.25
	Edible Beans	Seed	4	100%	0.65 cwt	92.00	59.80
	10-34-0-1Z	Fertilizer	4	100%	7 gallon	3.35	23.45
	32-0-0	Fertilizer	4	100%	7 lbs N	0.55	3.85
	Electricity Fixed	Other	5	100%	1 acre	28.00	28.00
	Basagran	Herbicide	6	60%	1 pint	13.13	7.88
	Raptor	Herbicide	6	60%	4 ounce	4.77	11.44
	NIS	Additive	6	60%	5 ounce	0.18	0.54
	32-0-0 (Additive)	Additive	6	60%	2 quart	0.39	0.47
*	Aerial Spray	Custom	7	60%	1 acre	9.50	5.70
*	Asana XL	Insecticide	7	60%	4.5 ounce	0.63	1.69
	Aerial Spray	Custom	8	100%	1 acre	9.50	9.50
	Copper	Fungicide	8	100%	2 pint	3.50	7.00
	Priaxor	Fungicide	8	100%	4 ounce	5.08	20.31
	Haul Grain (Dry Beans)	Custom	11	100%	25 cwt	0.28	7.00
	Wheat	Seed	12	100%	30 pound	0.12	3.60
	Scouting Drybeans	Scouting		100%	1 acre	10.00	10.00
	Drybeans	Crop Insurance		100%	1 acre	21.00	21.00
Total Materials & Services				Elec connect fee 6 months @ \$72/mo 133 acres			248.79

*Insecticide for Mexican bean beetle and western bean cutworm (10%).

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 348.95 cash expense @ 5.50% for 6.0 mo. 398.28

Total Operating and Use Related Ownership Costs 407.88

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00% 150.80

Real Estate Taxes \$ 3,770 per acre @ 1.00% 37.70

Total Cost per Acre Including Overhead 616.38

Cost per cwt 24.66

Cash Cost per cwt 15.85

2015 Budget 31. Dry Beans, Conventional Tillage (25 cwt Actual Yield)
Canal Irrigated, Gravity, 10 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Chop Stalks	1		1.78	1.74	0.67	0.34	2.22	1.66	8.41	
2	Disc	2		4.03	5.68	0.58	2.24	8.29	2.17	22.99	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plow	1		2.93	2.99	0.42	0.80	6.03	0.54	13.71	
5	Roller Harrow	1		2.00	1.87	0.82	0.99	2.73	3.12	11.53	
6	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
7	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
8	Spray	0.6		0.60	0.24	0.20	0.37	0.66	0.52	2.59	
9	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
10	Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
11	Ditch Irrigation	10	ai	11.11	0.00	0.00	0.00	0.00	0.00	11.11	
12	Aerial Spray	Custom									
13	Aerial Spray	Custom									
14	Pickett Windrowers	1		2.20	2.27	0.82	0.72	2.73	1.38	10.12	
15	Combine Irr Dry Beans	1		4.40	7.85	9.26	1.93	7.59	2.70	33.73	
16	Truck	Custom									
17	Chisel	1		1.98	2.78	0.74	2.01	2.46	1.56	11.53	
Total for Field Operations				39.73	31.72	16.65	14.56	43.12	23.07	168.85	

			Percent					
Materials & Services		Operation	Acres	Application		Applied	Your	
		Index	Applied	Rate	Unit	Price	Total	Estimate
Outlook	Herbicide	3	100%	14	ounce	1.09	15.31	
Prowl H2O	Herbicide	3	100%	2	pint	6.13	12.25	
Edible Beans	Seed	7	100%	0.65	cwt	92.00	59.80	
10-34-0-1Z	Fertilizer	7	100%	7	gallon	3.35	23.45	
32-0-0	Fertilizer	7	100%	7	lbs N	0.55	3.85	
Basagran	Herbicide	8	60%	1	pint	13.13	7.88	
Raptor	Herbicide	8	60%	4	ounce	4.77	11.44	
NIS	Additive	8	60%	5	ounce	0.18	0.54	
32-0-0 (Additive)	Additive	8	60%	2	quart	0.39	0.47	
Aerial Spray	Custom	12	60%	1	acre	9.50	5.70	
Asana XL	Insecticide	12	60%	4.5	ounce	0.63	1.69	
Aerial Spray	Custom	13	100%	1	acre	9.50	9.50	
Copper	Fungicide	13	100%	2	pint	3.50	7.00	
Priaxor	Fungicide	13	100%	4	ounce	5.08	20.31	
Haul Grain (Dry Beans)	Custom	16	100%	25	cwt	0.28	7.00	
Irrigation District O&M Charge	Other	11	100%	1	acre	30.00	30.00	
Scouting Drybeans	Scouting		100%	1	acre	10.00	10.00	
Drybeans	Crop Insurance		100%	1	acre	21.00	21.00	

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 349.85	cash expense @	5.50%	for 6.0 mo.
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Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity	Gravity (Panhandle)	\$	3,040	per acre @	4.00%
Real Estate Taxes		\$	3,040	per acre @	1.00%

Total Cost per Acre Including Overhead

Cost per cwt

Cash Cost per cwt

2015 Budget 32. Dry Beans, Conventional Tillage Using Pumped Water (25 cwt Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	2		4.03	5.68	0.58	2.24	8.29	2.17	22.99	
2	Chisel	1		1.98	2.78	0.74	2.01	2.46	1.56	11.53	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
5	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
6	Spray	0.6		0.60	0.24	0.20	0.37	0.66	0.52	2.59	
7	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
8	PivotE 125' Lift	9	ai	6.25	23.89	2.51	13.49	4.54	8.07	58.75	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
11	Pickett Windrowers	1		2.20	2.27	0.82	0.72	2.73	1.38	10.12	
12	Combine Irr Dry Beans	1		4.40	7.85	9.26	1.93	7.59	2.70	33.73	
13	Truck	Custom									
Total for Field Operations				26.33	47.35	16.56	25.57	34.40	24.23	174.44	

			Operation	Percent	Application	Applied		Your
	Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
	Outlook	Herbicide	3	100%	14 ounce		1.09	15.31
	Prowl H2O	Herbicide	3	100%	2 pint		6.13	12.25
	Edible Beans	Seed	5	100%	0.65 cwt		92.00	59.80
	10-34-0-1Z	Fertilizer	5	100%	7 gallon		3.35	23.45
	32-0-0	Fertilizer	5	100%	7 lbs N		0.55	3.85
	Raptor	Herbicide	6	60%	4 ounce		4.77	11.44
	Basagran	Herbicide	6	60%	1 pint		13.13	7.88
	NIS	Additive	6	60%	5 ounce		0.18	0.54
	32-0-0 (Additive)	Additive	6	60%	2 quart		0.39	0.47
	Electricity Fixed	Other	8	100%	1 acre		28.00	28.00
*	Aerial Spray	Custom	9	60%	1 acre		9.50	5.70
*	Asana XL	Insecticide	9	60%	4.5 ounce		0.63	1.69
	Aerial Spray	Custom	10	100%	1 acre		9.50	9.50
	Copper	Fungicide	10	100%	2 pint		3.50	7.00
	Priaxor	Fungicide	10	100%	4 ounce		5.08	20.31
	Haul Grain (Dry Beans)	Custom	13	100%	25 cwt		0.28	7.00
	Scouting Drybeans	Scouting		100%	1 acre		10.00	10.00
	Drybeans	Crop Insurance		100%	1 acre		21.00	21.00
Total Materials & Services								245.19

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 361.00 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00%
Real Estate Taxes \$ 3,770 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per cwt

Cash Cost per cwt

419.63	
9.93	
429.56	
20.00	
150.80	
37.70	
638.06	
25.52	
16.35	

2015 Budget 33. Dry Beans, Direct Harvest Conventional Tillage (25 cwt Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	2		4.03	5.68	0.58	2.24	8.29	2.17	22.99	
2	Chisel	1		1.98	2.78	0.74	2.01	2.46	1.56	11.53	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
5	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
6	Spray	0.6		0.60	0.24	0.20	0.37	0.66	0.52	2.59	
7	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
8	PivotE 125' Lift	9	ai	6.25	23.89	2.51	13.49	4.54	8.07	58.75	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
11	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
12	Combine Irrigated Dry Beans with Draper Flex Platform	1		4.40	7.85	9.26	4.94	7.59	6.92	40.96	
13	Truck	Custom									
Total for Field Operations				25.13	45.47	16.07	28.48	32.76	27.93	175.84	

			Operation	Percent	Application	Applied		Your
	Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
	Outlook	Herbicide	3	100%	14 ounce		1.09	15.31
	Prowl H2O	Herbicide	3	100%	2 pint		6.13	12.25
	Edible Beans	Seed	5	100%	1 cwt		92.00	92.00
	10-34-0-1Z	Fertilizer	5	100%	7 gallon		3.35	23.45
	32-0-0	Fertilizer	5	100%	7 lbs N		0.55	3.85
	Raptor	Herbicide	6	60%	4 ounce		4.77	11.44
	Basagran	Herbicide	6	60%	1 pint		13.13	7.88
	NIS	Additive	6	60%	5 ounce		0.18	0.54
	32-0-0 (Additive)	Additive	6	60%	2 quart		0.39	0.47
	Electricity Fixed	Other	8	100%	1 acre		28.00	28.00
*	Aerial Spray	Custom	9	60%	1 acre		9.50	5.70
*	Asana XL	Insecticide	9	60%	4.5 ounce		0.63	1.69
	Aerial Spray	Custom	10	100%	1 acre		9.50	9.50
	Copper	Fungicide	10	100%	2 pint		3.50	7.00
	Priaxor	Fungicide	10	100%	4 ounce		5.08	20.31
	Gramoxone SL	Herbicide	11	100%	2 pint		5.38	10.75
	Haul Grain (Dry Beans)	Custom	13	100%	25 cwt		0.28	7.00
	Scouting Drybeans	Scouting		100%	1 acre		10.00	10.00
	Drybeans	Crop Insurance		100%	1 acre		21.00	21.00
Total Materials & Services								288.14

* Mexican Bean Beetle and Western Bean Cutworm

Total listed costs for Field Operations and Materials & Services							463.98
Interest on Opns Capital \$ 403.29 cash expense @ 5.50% for 6.0 mo.							11.09
Total Operating and Use Related Ownership Costs							475.07
Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00
Real Estate Opportunity	Pivot (Panhandle)	\$	3,770	per acre @	4.00%		150.80
Real Estate Taxes		\$	3,770	per acre @	1.00%		37.70
Total Cost per Acre Including Overhead							683.57

Cost per cwt	27.34
Cash Cost per cwt	18.08

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

2015 Budget 34. Grain Sorghum, Conventional Tillage, 105 bu yield goal (95 bu Actual Yield)
Dryland

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Anhydrous Apply	1		1.83	1.98	0.69	0.58	2.28	3.94	11.30	
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
4	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
5	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
6	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
7	Row Crop Cultivation	0.25		0.50	0.30	0.19	0.11	0.62	0.40	2.12	
8	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
9	Aerial Spray	Custom									
10	Combine Dryland SG	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
11	Cart	95	bu	1.36	0.69	0.51	0.87	1.69	0.56	5.68	
12	Truck	Custom									
Total for Field Operations				16.46	16.69	11.42	8.86	23.25	16.95	93.63	

			Operation	Percent	Application	Applied		Your
	Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
	82-0-0	Fertilizer	2	100%	100 lbs N		0.46	46.00
	10-34-0	Fertilizer	4	100%	6 gallon		3.30	19.80
	Lumax EZ	Herbicide	4	100%	2.7 quart		18.75	50.63
	AAtrex 4L	Herbicide	4	100%	0.5 quart		5.25	2.63
	Sorghum Safened/Insect	Seed	5	100%	4 pound		3.00	12.00
	Huskie	Herbicide	8	50%	11 ounce		0.91	4.98
	21-0-0-24S	Additive	8	50%	1 pound		0.33	0.17
*	Aerial Spray	Custom	9	15%	1 acre		9.50	1.43
*	Lorsban 4 E	Insecticide	9	15%	1.5 pint		6.25	1.41
	Haul Grain bu	Custom	12	100%	95 bushel		0.11	10.45
	Scouting Grain Sorghum	Scouting		100%	1 acre		7.00	7.00
	Grain Sorghum Dryland	Crop Insurance		100%	1 acre		11.00	11.00
Total Materials & Services								167.50

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

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 220.93	cash expense @	5.50%	for 6.0 mo.	261.13
Total Operating and Use Related Ownership Costs					6.08
					267.21

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

** Real Estate Opportunity	Dryland (Southwest)	\$	1,376	per acre @	4.00%	55.02
** Real Estate Taxes		\$	1,376	per acre @	1.00%	13.76
Total Cost per Acre Including Overhead						355.99

Cost per bu	3.75
Cash Cost per bu	2.53

** Since Sorghum is generally planted on less productive land, Real Estate cost is reduced to 70% of average value

2015 Budget 35. Grain Sorghum, No-Till, 125 bu yield goal (115 bu Actual Yield)
Dryland

		Times or		Labor @	Fuel @ \$3.25	Repairs	Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
4	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
5	Aerial Spray	Custom									
6	Combine Dryland SG	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
7	Cart	115	bu								
8	Truck	Custom									
Total for Field Operations				8.28	8.28	8.77	6.54	11.30	12.84	56.01	

		Operation	Percent	Application	Applied			Your
	Materials & Services	Index	Acres	Rate	Unit	Price	Total	Estimate
	Glyphosate w/Surf	1	100%	32 ounce		0.13	4.25	
	2,4-D Ester 4#	1	100%	1 pint		2.69	2.69	
	21-0-0-24S	1	100%	1.7 pound		0.33	0.56	
	32-0-0	2	100%	120 lbs N		0.55	66.00	
	Lumax EZ	2	100%	2.7 quart		18.75	50.63	
	AAtrex 4L	2	100%	0.5 quart		5.25	2.63	
	10-34-0	3	100%	6 gallon		3.30	19.80	
	Sorghum Safened/Insect	3	100%	4 pound		3.00	12.00	
	Huskie	4	50%	11 ounce		0.91	4.98	
	21-0-0-24S	4	50%	1 pound		0.33	0.17	
*	Aerial Spray	5	15%	1 acre		9.50	1.43	
*	Lorsban 4 E	5	15%	1.5 pint		6.25	1.41	
	Haul Grain bu	8	100%	115 bushel		0.11	12.65	
	Scouting Grain Sorghum		100%	1 acre		7.00	7.00	
	Grain Sorghum Dryland		100%	1 acre		11.00	11.00	
Total Materials & Services							197.20	

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

Total listed costs for Field Operations and Materials & Services

253.21

Interest on Opns Capital \$ 229.07

cash expense @

5.50% for 6.0 mo.

6.30

Total Operating and Use Related Ownership Costs

259.51

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

20.00

** Real Estate Opportunity

Dryland (State)

\$ 2,611

per acre @

4.00%

104.44

** Real Estate Taxes

\$ 2,611

per acre @

1.00%

26.11

Total Cost per Acre Including Overhead

410.06

Cost per bu

3.57

Cash Cost per bu

2.27

** Since Sorghum is generally planted on less productive land, Real Estate cost is reduced to 70% of average value

2015 Budget 36. Grain Sorghum, Ecofollow, After Wheat, 2 Crops in 3 Yr, 115 bu yield goal (105 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
5	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
6	Aerial Spray	Custom									
7	Combine Dryland SG	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
8	Cart	105	bu	1.50	0.76	0.56	0.96	1.86	0.61	6.25	
9	Truck	Custom									
Total for Field Operations				10.21	10.06	9.53	7.17	13.80	13.02	63.79	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Glyphosate w/ Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
2,4-D Ester 4#	Herbicide	1	100%	1 pint		2.69	2.69	
21-0-0-24S	Additive	1	100%	2 pound		0.33	0.66	
AAtrex 4L	Herbicide	2	100%	1 quart		5.25	5.25	
Gramoxone SL	Herbicide	2	100%	1.5 pint		5.38	8.06	
32-0-0	Fertilizer	3	100%	110 lbs N		0.55	60.50	
Lumax EZ	Herbicide	3	100%	2.7 quart		18.75	50.63	
10-34-0	Fertilizer	4	100%	6 gallon		3.30	19.80	
Sorghum Safened/Insect	Seed	4	100%	4 pound		3.00	12.00	
Huskie	Herbicide	5	50%	11 ounce		0.91	4.98	
21-0-0-24S	Additive	5	50%	1 pound		0.33	0.17	
* Aerial Spray	Custom	6	15%	1 acre		9.50	1.43	
* Lorsban 4 E	Insecticide	6	15%	1.5 pint		6.25	1.41	
Haul Grain bu	Custom	9	100%	105 bushel		0.11	11.55	
Scouting Grain Sorghum	Scouting		100%	1 acre		7.00	7.00	
Grain Sorghum Dryland	Crop Insurance		100%	1 acre		11.00	11.00	
Total Materials & Services							201.38	

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

Total listed costs for Field Operations and Materials & Services

265.17

Interest on Opns Capital \$ 238.35 cash expense @ 5.50% for 6.0 mo.

6.55

Total Operating and Use Related Ownership Costs

271.72

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

20.00

** Real Estate Opportunity Dryland (State) \$ 2,611 per acre @ 4.00%

104.44

** Real Estate Taxes \$ 2,611 per acre @ 1.00%

26.11

Total Cost per Acre Including Overhead

422.27

Cost per bu

4.02

Cash Cost per bu

2.58

** Since Sorghum is generally planted on less productive land, Real Estate cost is reduced to 70% of average value

2015 Budget 37. Grain Sorghum, No-till, Limited Irrigation, 165 bu yield goal (150 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Anhydrous Apply	1		1.83	1.98	0.69	0.58	2.28	3.94	11.30	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
5	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
6	Aerial Spray	Custom									
7	PivotD 125' Lift	6	ai	4.17	41.61	1.96	8.99	2.84	5.38	64.95	
8	Combine Irr SG	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
9	Cart	150	bu	2.14	1.09	0.80	1.37	2.66	0.88	8.94	
10	Truck	Custom									
Total for Field Operations				16.42	52.96	12.22	17.92	19.08	21.75	140.35	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
	2,4-D Ester 4#	Herbicide	1	100%	1 pint		2.69	2.69	
	21-0-0-24S	Additive	1	100%	2 pound		0.33	0.66	
	82-0-0	Fertilizer	2	100%	150 lbs N		0.46	69.00	
	Lumax EZ	Herbicide	3	100%	2.7 quart		18.75	50.63	
	AAtrex 4L	Herbicide	3	100%	0.5 quart		5.25	2.63	
	10-34-0	Fertilizer	4	100%	6 gallon		3.30	19.80	
	Sorghum Safened/Insect	Seed	4	100%	6 pound		3.00	18.00	
	Huskie	Herbicide	5	50%	11 ounce		0.91	4.98	
	21-0-0-24S	Additive	5	50%	1 pound		0.33	0.17	
*	Aerial Spray	Custom	6	15%	1 acre		9.50	1.43	
*	Lorsban 4 E	Insecticide	6	15%	1.5 pint		6.25	1.41	
	Haul Grain bu	Custom	10	100%	150 bushel		0.11	16.50	
	Scouting Grain Sorghum	Scouting		100%	1 acre		7.00	7.00	
	Grain Sorghum Irrigated	Crop Insurance		100%	1 acre		10.00	10.00	
Total Materials & Services								209.15	

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

Total listed costs for Field Operations and Materials & Services

349.50

Interest on Opns Capital \$ 308.67 cash expense @ 5.50% for 6.0 mo.

8.49

Total Operating and Use Related Ownership Costs

357.99

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

20.00

** Real Estate Opportunity

Pivot (Marginal Land)

\$ 5,380

per acre @

4.00%

215.18

** Real Estate Taxes

\$ 3,766

per acre @

1.00%

37.66

Total Cost per Acre Including Overhead

630.83

Cost per bu

4.21

Cash Cost per bu

2.37

** Since Sorghum is generally planted on less productive land, Real Estate cost is reduced to 70% of average value

**2015 Budget 38. Grass, Fall Establishment
Pivot Irrigated, 800 GMP 35 PSI, 2 acre-inches**

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Your		
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Roll	1		2.22	2.27	0.92	0.00	3.04	0.00	8.45	
4	Grass Drill	1		2.44	1.78	0.92	6.46	3.04	2.88	17.52	
5	PivotD 125'Lift	2	ai	1.39	13.87	0.65	3.00	0.95	1.79	21.65	
6	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
Total for Field Operations				11.11	23.94	3.98	11.85	15.14	7.32	73.34	

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
Grass Seed	Seed	4	100%	1 acre	60.00	60.00	
11-52-0	Fertilizer	6	100%	60 pound	0.30	18.00	
Total Materials & Services						78.00	

Total listed costs for Field Operations and Materials & Services					151.34
Interest on Opns Capital	\$ 128.88	cash expense @	5.50%	for 6.0 mo.	3.54
Total Operating and Use Related Ownership Costs					154.88
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00
Real Estate Opportunity	Fall Establishment	\$ -	per acre @	4.00%	0.00
Real Estate Taxes		\$ -	per acre @	1.00%	0.00
Total Cost per Acre Including Overhead					174.88

2015 Budget 39. Grass Hay, Large Round (2.2 ton Actual Yield)
Dryland

Field Operations		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51
2	Swath/Cond Hay	1		2.50	2.34	2.19	0.29	3.46	0.43	11.21
3	Lg Rd Bale	2.2	ton	4.84	2.36	1.81	2.26	6.01	2.36	19.64
4	Move Lg Rd	2.2	ton	2.42	1.64	0.91	0.00	3.01	0.13	8.11
Total for Field Operations				11.33	7.48	5.56	2.55	14.63	2.92	44.47

Materials & Services		Operation	Percent	Application	Applied	Total	Your
		Index	Acres	Rate	Unit	Price	Estimate
46-0-0	Fertilizer	1	100%	40 lbs N		0.57	22.80
11-52-0	Fertilizer	1	100%	15 pound		0.30	4.50
Twine Lg Rd	Other	3	100%	2.2 ton		0.91	2.00
Total Materials & Services						29.30	

Total listed costs for Field Operations and Materials & Services						73.77	
Interest on Opns Capital \$ 56.22 cash expense @ 5.50% for 6.0 mo.						1.55	
Total Operating and Use Related Ownership Costs						75.32	

Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (State)	\$	3,730	per acre @	4.00%	149.20	
Real Estate Taxes		\$	3,730	per acre @	1.00%	37.30	
Total Cost per Acre Including Overhead						281.82	

Cost per ton						128.10	
Cash Cost per ton						43.21	

2015 Budget 40. Millet, Stubble Mulch Fallow, fb Wheat, 2 Crops in 3 Yr, 22 cwt yld goal (22 cwt Actual Yield)
Dryland

	Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
Fallow Master	1		1.76	2.58	0.25	0.91	3.62	1.56	10.68	
Rod Weeder	1		1.52	1.51	0.62	0.23	2.07	0.99	6.94	
Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
Windrow Grain	1		2.00	1.87	1.75	0.13	2.77	0.86	9.38	
Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
Truck	Custom									
Total for Field Operations			13.18	14.21	10.89	6.35	19.34	12.45	76.42	

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres Applied	Rate	Unit	Price	Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25
2,4-D Ester 4#	Herbicide	1	100%	1.5 pint		2.69	4.03
21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56
28-0-0	Fertilizer	4	100%	45 lbs N		0.57	25.50
Millet	Seed	5	100%	12 pound		0.60	7.20
2,4-D Amine	Herbicide	6	100%	0.75 pint		2.00	1.50
Dicamba	Herbicide	6	100%	0.5 ounce		0.63	0.31
Haul Grain (Millet)	Custom	9	100%	22 cwt		0.24	5.28
Millet	Crop Insurance		100%	1 acre		15.00	15.00
Total Materials & Services						63.63	

Total listed costs for Field Operations and Materials & Services						140.05	
Interest on Opns Capital \$ 108.26 cash expense @ 5.50% for 6.0 mo.						2.98	
Total Operating and Use Related Ownership Costs						143.03	
Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (Panhandle)	\$	845	per acre @	4.00%	33.80	
Real Estate Taxes		\$	845	per acre @	1.00%	8.45	
Total Cost per Acre Including Overhead						205.28	
Cost per cwt						9.33	
Cash Cost per cwt						5.44	

2015 Budget 41. Millet, No-Till (22 cwt Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
4	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
5	Windrow Grain	1		2.00	1.87	1.75	0.13	2.77	0.86	9.38	
6	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
7	Truck	Custom									
Total for Field Operations				9.97	10.52	10.05	5.42	13.74	14.13	63.83	

		Operation	Percent	Application	Applied	Unit	Applied	Total	Your
	Materials & Services	Index	Acres	Rate			Price		Estimate
	Glyphosate w/Surf	Herbicide	1	100%	36 ounce		0.13	4.78	
	21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56	
	28-0-0	Fertilizer	2	100%	45 lbs N		0.57	25.50	
	Glyphosate w/Surf	Herbicide	2	100%	20 ounce		0.13	2.66	
	Vida	Herbicide	2	100%	2 ounce		3.91	7.81	
	Millet	Seed	3	100%	12 pound		0.60	7.20	
	2,4-D Amine	Herbicide	4	100%	0.75 pint		2.00	1.50	
	Dicamba	Herbicide	4	100%	0.5 ounce		0.63	0.31	
	Haul Grain (Millet)	Custom	7	100%	22 cwt		0.24	5.28	
	Millet	Crop Insurance		100%	1 acre		15.00	15.00	
Total Materials & Services								70.60	

Total listed costs for Field Operations and Materials & Services 134.43

Interest on Opns Capital \$ 106.56 cash expense @ 5.50% for 6.0 mo. 2.93

Total Operating and Use Related Ownership Costs 137.36

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00% 33.80

Real Estate Taxes \$ 845 per acre @ 1.00% 8.45

Total Cost per Acre Including Overhead 199.61

Cost per cwt 9.07

Cash Cost per cwt 4.98

2015 Budget 42. Oats, No-Till, 90 bu Yield Goal (85 bushel Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14
2	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29
4	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36
5	Truck	Custom								
Total for Field Operations				6.97	8.26	7.97	4.67	9.88	12.41	50.16

		Operation	Percent	Application	Applied	Total	Your
Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
28-0-0	Fertilizer	1	100%	100 lbs N	0.57	56.67	
Oats	Seed	2	100%	2 bushel	9.00	18.00	
10-34-0	Fertilizer	2	100%	6 gallon	3.30	19.80	
Aim 2EC	Herbicide	3	100%	0.5 ounce	7.50	3.75	
2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.69	1.34	
NIS	Additive	3	100%	6 ounce	0.18	1.08	
Haul Grain bu	Custom	5	100%	85 bushel	0.11	9.35	
Oats	Crop Insurance		100%	1 acre	11.00	11.00	
Total Materials & Services						120.99	

Total listed costs for Field Operations and Materials & Services						171.15	
Interest on Opns Capital \$ 148.86 cash expense @ 5.50% for 6.0 mo.						4.09	
Total Operating and Use Related Ownership Costs						175.24	

Overhead (accounting, liability insurance, vehicle cost, office expense)						20.00	
Real Estate Opportunity	Dryland (State)	\$ 3,730	per acre @	4.00%		149.20	
Real Estate Taxes		\$ 3,730	per acre @	1.00%		37.30	
Total Cost per Acre Including Overhead						381.74	

Cost per bushel						4.49	
Cash Cost per bushel						2.24	

2015 Budget 43. Pasture, Grazing (11 AUM Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 18 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Imp.	Ownership Power	Imp.	Total	Your Estimate
1	PivotD 125'Lift	18	ai	12.50	124.83	5.88	26.98	8.51	16.14	194.84	
	Total for Field Operations			12.50	124.83	5.88	26.98	8.51	16.14	194.84	
	Materials & Services			Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price		Total	Your Estimate
	28-0-0		Fertilizer	1	100%	220 lbs N		0.57		124.67	
	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		20.00		20.00	
	Total Materials & Services									148.67	
	Total listed costs for Field Operations and Materials & Services									343.51	
	Interest on Opns Capital \$ 318.86 cash expense @ 5.50% for 6.0 mo.									8.77	
	Total Operating and Use Related Ownership Costs									352.28	
	Overhead (accounting, liability insurance, vehicle cost, office expense)									20.00	
	Real Estate Opportunity		Pivot (Marginal Land)		\$ 5,380	per acre @	4.00%			215.18	
	Real Estate Taxes				\$ 5,380	per acre @	1.00%			53.80	
	Total Cost per Acre Including Overhead									641.26	
	Cost per AUM									58.30	
	Cash Cost per AUM									34.68	

2015 Budget 44. Peas, No-Till (35 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
4	Truck	Custom									
Total for Field Operations				5.97	7.87	7.64	4.49	8.79	10.26	45.02	

	Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Application Unit	Applied Price	Total	Your Estimate
	Peas	Seed	1	100%	3 bushel		18.00	54.00	
	Pea Seed Inoculant	Fungicide	1	100%	1 pound		8.00	8.00	
	Sharpen	Herbicide	2	100%	2 ounce		6.48	12.97	
	Glyphosate w/Surf	Herbicide	2	100%	32 ounce		0.13	4.25	
	21-0-0-24S	Additive	2	100%	1.7 pound		0.33	0.56	
	Haul Grain bu	Custom	4	100%	35 bushel		0.11	3.85	
Total Materials & Services								83.63	

Total listed costs for Field Operations and Materials & Services 128.65

Interest on Opns Capital \$ 109.60 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs 131.66

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00% 33.80

Real Estate Taxes \$ 845 per acre @ 1.00% 8.45

Total Cost per Acre Including Overhead 193.91

Cost per bu 5.54

Cash Cost per bu 3.22

Dryland

Total listed costs for Field Operations and Materials & Services					127.20	_____
Interest on Opns Capital	\$ 89.55	cash expense @	5.50%	for 6.0 mo.	2.46	_____
Total Operating and Use Related Ownership Costs					129.66	_____
Overhead (accounting, liability insurance, vehicle cost, office expense)					20.00	_____
Real Estate Opportunity	<div>Dryland (State)</div>	\$ 3,730	per acre @	4.00%	149.20	_____
Real Estate Taxes		\$ 3,730	per acre @	1.00%	37.30	_____
Total Cost per Acre Including Overhead					336.16	_____
Cost per ton					101.87	_____
Cash Cost per ton					39.18	_____

2015 Budget 46. Soybeans, Tilled seed bed, Roundup Ready (39 bu Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
5	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
6	Aerial Spray	Custom									
7	Combine Dryland SB	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
8	Truck	Custom									
Total for Field Operations				11.27	12.72	9.45	7.18	16.71	10.89	68.22	

			Operation	Percent	Application	Applied		Your
	Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
	Valor XLT	Herbicide	3	100%	3 ounce		5.19	15.56
	RR Soybeans	Seed	4	100%	1 bag		44.00	44.00
	Glyphosate w/Surf	Herbicide	5	100%	32 ounce		0.13	4.25
	Select Max	Herbicide	5	100%	6 ounce		0.86	5.16
	21-0-0-24S	Additive	5	100%	1.7 pound		0.33	0.56
*	Aerial Spray	Custom	6	20%	1 acre		9.50	1.90
*	Warrior II/Zeon	Insecticide	6	20%	1.6 ounce		2.97	0.95
	Haul Grain bu	Custom	8	100%	39 bushel		0.11	4.29
	Scouting Dryland Soybeans	Scouting		100%	1 acre		7.00	7.00
	Soybeans Dryland	Crop Insurance		100%	1 acre		16.00	16.00
Total Materials & Services								99.67

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services 167.89

Interest on Opns Capital \$ 140.29 cash expense @ 5.50% for 6.0 mo. 3.86

Total Operating and Use Related Ownership Costs 171.75

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (State) \$ 3,730 per acre @ 4.00% 149.20

Real Estate Taxes \$ 3,730 per acre @ 1.00% 37.30

Total Cost per Acre Including Overhead 378.25

Cost per bu 9.70

Cash Cost per bu 4.65

2015 Budget 47. Soybeans, No-Till, Roundup Ready after Corn (43 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Combine Dryland SB	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
6	Truck	Custom									
Total for Field Operations				7.78	8.08	8.61	6.67	10.75	11.12	53.01	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Valor XLT	Herbicide	1	100%	3 ounce	5.19	15.56	
	2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.69	2.69	
	Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.25	
	21-0-0-24S	Additive	1	100%	1.7 pound	0.33	0.56	
	RR Soybeans	Seed	2	100%	1 bag	44.00	44.00	
	Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.25	
	Select Max	Herbicide	3	100%	6 ounce	0.86	5.16	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
*	Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
*	Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
	Haul Grain bu	Custom	6	100%	43 bushel	0.11	4.73	
	Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00	7.00	
	Soybeans Dryland	Crop Insurance		100%	1 acre	16.00	16.00	
Total Materials & Services							107.61	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services 160.62

Interest on Opns Capital \$ 138.75 cash expense @ 5.50% for 6.0 mo. 3.82

Total Operating and Use Related Ownership Costs 164.44

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (State) \$ 3,730 per acre @ 4.00% 149.20

Real Estate Taxes \$ 3,730 per acre @ 1.00% 37.30

Total Cost per Acre Including Overhead 370.94

Cost per bu 8.63

Cash Cost per bu 4.18

2015 Budget 48. Soybeans, No-Till, Roundup Ready Continuous (39 bu Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs	Ownership			Your		
Field Operations		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Combine Dryland SB	1		3.38	6.04	7.13	1.06	5.84	2.70	26.15	
6	Truck	Custom									
Total for Field Operations				7.78	8.08	8.61	6.67	10.75	11.12	53.01	

Materials & Services		Operation	Percent	Application	Applied	Unit	Price	Total	Your
		Index	Acres	Rate					Estimate
Valor XLT	Herbicide	1	100%	3 ounce	5.19		15.56		
2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.69		2.69		
Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13		4.25		
21-0-0-24S	Additive	1	100%	1.7 pound	0.33		0.56		
RR Soybeans	Seed	2	100%	1 bag	44.00		44.00		
Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13		4.25		
21-0-0-24S	Additive	3	100%	1.7 pound	0.33		0.56		
* Aerial Spray	Custom	4	20%	1 acre	9.50		1.90		
* Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97		0.95		
Haul Grain bu	Custom	6	100%	39 bushel	0.11		4.29		
Scouting Dryland Soybeans	Scouting		100%	1 acre	7.00		7.00		
Soybeans Dryland	Crop Insurance		100%	1 acre	16.00		16.00		
Total Materials & Services									102.01

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services 155.02

Interest on Opns Capital \$ 133.15 cash expense @ 5.50% for 6.0 mo. 3.66

Total Operating and Use Related Ownership Costs 158.68

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (State) \$ 3,730 per acre @ 4.00% 149.20

Real Estate Taxes \$ 3,730 per acre @ 1.00% 37.30

Total Cost per Acre Including Overhead 365.18

Cost per bu 9.36

Cash Cost per bu 4.46

2015 Budget 49. Soybeans, Tilled seedbed, Roundup Ready after Corn (62 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 9 acre-inches

Field Operations		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29
4	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28
5	PivotD 125'Lift	9	ai	6.25	62.42	2.94	13.49	4.26	8.07	97.43
6	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29
7	Aerial Spray	Custom								
8	Aerial Spray	Custom								
9	Combine Irr SB	1		3.67	6.54	7.72	1.27	6.33	2.70	28.23
10	Truck	Custom								
Total for Field Operations				17.81	75.64	12.98	20.88	21.46	18.96	167.73

Materials & Services		Operation	Percent	Application	Applied	Total	Your
		Index	Acres	Rate	Unit	Price	Estimate
	Valor XLT	Herbicide	3	100%	3 ounce	5.19	15.56
	RR Soybeans	Seed	4	100%	1.1 bag	44.00	48.40
	Glyphosate w/Surf	Herbicide	6	100%	32 ounce	0.13	4.25
	Select Max	Herbicide	6	100%	6 ounce	0.86	5.16
	21-0-0-24S	Additive	6	100%	1.7 pound	0.33	0.56
*	Aerial Spray	Custom	7	20%	1 acre	9.50	1.90
*	Warrior II/Zeon	Insecticide	7	20%	1.6 ounce	2.97	0.95
	Aerial Spray	Custom	8	50%	1 acre	9.50	4.75
	Priaxor	Fungicide	8	50%	4 ounce	5.08	10.16
	Haul Grain bu	Custom	10	100%	62 bushel	0.11	6.82
	Scouting Irrigated SB	Scouting		100%	1 acre	10.00	10.00
	Soybeans Irrigated	Crop Insurance		100%	1 acre	8.50	8.50
Total Materials & Services						117.01	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services 284.74

Interest on Opns Capital \$ 244.32 cash expense @ 5.50% for 6.0 mo. 6.72

Total Operating and Use Related Ownership Costs 291.46

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Pivot (State) \$ 7,685 per acre @ 4.00% 307.40

Real Estate Taxes \$ 7,685 per acre @ 1.00% 76.85

Total Cost per Acre Including Overhead 695.71

Cost per bu 11.22

Cash Cost per bu 5.29

2015 Budget 50. Soybeans, Ridge-Till, RR after RR Corn (62 bu Actual Yield)
Gravity Irrigated, 1,000 GPM 10 PSI, 12 acre-inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray	0.2		0.20	0.08	0.07	0.12	0.22	0.17	0.86	
2 Ridge plant and band herb.	1		2.40	1.27	0.82	6.98	2.73	4.68	18.88	
3 Ridge Cultivation	1		2.00	1.99	0.82	0.86	2.73	1.06	9.46	
4 Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
5 Pipe D125' Lift	12	ai	22.22	60.40	3.14	2.28	5.33	4.05	97.42	
6 Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
7 Aerial Spray	Custom									
8 Aerial Spray	Custom									
9 Combine Irr SB	1		3.67	6.54	7.72	1.27	6.33	2.70	28.23	
10 Truck	Custom									
Total for Field Operations			32.82	72.14	13.42	12.17	20.17	14.68	165.40	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
2,4-D Ester 4#	Herbicide	1	20%	1 pint		2.69	0.54	
Valor XLT	Herbicide	2	33%	3 ounce		5.19	5.14	
RR Soybeans	Seed	2	100%	1.1 bag		44.00	48.40	
Glyphosate w/Surf	Herbicide	6	50%	32 ounce		0.13	2.13	
21-0-0-24S	Additive	6	50%	1.7 pound		0.33	0.28	
Select Max	Herbicide	6	40%	6 ounce		0.86	2.06	
Crop Oil Concentrate	Additive	6	40%	2 pint		1.31	1.05	
* Aerial Spray	Custom	7	20%	1 acre		9.50	1.90	
* Warrior II/Zeon	Insecticide	7	20%	1.6 ounce		2.97	0.95	
Aerial Spray	Custom	8	50%	1 acre		9.50	4.75	
Stratego YLD	Fungicide	8	50%	4 ounce		5.63	11.25	
Haul Grain bu	Custom	10	100%	62 bushel		0.11	6.82	
Scouting Irrigated SB	Scouting		100%	1 acre		10.00	10.00	
Soybeans Irrigated	Crop Insurance		100%	1 acre		8.50	8.50	
Total Materials & Services							103.77	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 234.32 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Gravity (State) \$ 7,310 per acre @ 4.00%
Real Estate Taxes \$ 7,310 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

269.17
6.44
275.61
20.00
292.40
73.10
661.11
10.66
5.06

2015 Budget 51. Soybeans, No-Till 15" Row, Roundup Ready after Corn (65 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Plant Narrow Row	1		2.40	0.96	0.82	2.49	2.73	3.82	13.22	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	PivotD 125" Lift	6	ai	4.17	41.61	1.96	8.99	2.84	5.38	64.95	
7	Combine Irr SB	1		3.67	6.54	7.72	1.27	6.33	2.70	28.23	
8	Truck	Custom									
Total for Field Operations				12.24	49.89	11.16	13.99	14.08	13.62	114.98	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.25	
	2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.69	2.69	
	21-0-0-24S	Additive	1	100%	1.7 pound	0.33	0.56	
	Valor XLT	Herbicide	1	100%	3 ounce	5.19	15.56	
	RR Soybeans	Seed	2	100%	1.1 bag	44.00	48.40	
	Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.25	
	Select Max	Herbicide	3	100%	6 ounce	0.86	5.16	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
*	Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
*	Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
	Aerial Spray	Custom	5	50%	1 acre	9.50	4.75	
	Quilt Xcel	Fungicide	5	50%	10.5 ounce	2.19	11.48	
	Haul Grain bu	Custom	8	100%	65 bushel	0.11	7.15	
	Scouting Irrigated SB	Scouting		100%	1 acre	10.00	10.00	
	Soybeans Irrigated	Crop Insurance		100%	1 acre	8.50	8.50	
Total Materials & Services							126.16	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 213.44

cash expense @

5.50% for 6.0 mo.

241.14

5.87

Total Operating and Use Related Ownership Costs

247.01

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

20.00

Real Estate Opportunity

Pivot (State)

\$ 7,685

per acre @

4.00%

307.40

Real Estate Taxes

\$ 7,685

per acre @

1.00%

76.85

Total Cost per Acre Including Overhead

651.26

Cost per bu

10.02

Cash Cost per bu

4.56

2015 Budget 52. Soybeans Roundup Ready, No-Till Narrow Row, Continuous (59 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Plant Narrow Row	1		2.40	0.96	0.82	2.49	2.73	3.82	13.22	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	PivotD 125'Lift	6	ai	4.17	41.61	1.96	8.99	2.84	5.38	64.95	
7	Combine Irr SB	1		3.67	6.54	7.72	1.27	6.33	2.70	28.23	
8	Truck	Custom									
Total for Field Operations				12.24	49.89	11.16	13.99	14.08	13.62	114.98	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Glyphosate w/Surf	Herbicide	1	100%	32 ounce	0.13	4.25	
	2,4-D Ester 4#	Herbicide	1	100%	1 pint	2.69	2.69	
	21-0-0-24S	Additive	1	100%	1.7 pound	0.33	0.56	
	Valor XLT	Herbicide	1	100%	3 ounce	5.19	15.56	
	RR2 Soybeans Treated	Seed	2	100%	1.1 pound	58.00	63.80	
	Glyphosate w/Surf	Herbicide	3	50%	32 ounce	0.13	2.13	
	21-0-0-24S	Additive	3	50%	1.7 pound	0.33	0.28	
*	Aerial Spray	Custom	4	20%	1 acre	9.50	1.90	
*	Warrior II/Zeon	Insecticide	4	20%	1.6 ounce	2.97	0.95	
	Aerial Spray	Custom	5	50%	1 acre	9.50	4.75	
	Priaxor	Fungicide	5	50%	4 ounce	5.08	10.16	
	Haul Grain bu	Custom	8	100%	59 bushel	0.11	6.49	
	Scouting Irrigated SB	Scouting		100%	1 acre	10.00	10.00	
	Soybeans Irrigated	Crop Insurance		100%	1 acre	8.50	8.50	
Total Materials & Services							132.02	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services							247.00	
Interest on Opns Capital	\$ 219.30	cash expense @	5.50%	for 6.0 mo.			6.03	

Total Operating and Use Related Ownership Costs							253.03	
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Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,685	per acre @	4.00%			307.40	
Real Estate Taxes		\$ 7,685	per acre @	1.00%			76.85	
Total Cost per Acre Including Overhead							657.28	

Cost per bu							11.14	
Cash Cost per bu							5.12	

2015 Budget 53. Soybeans, No-Till Drilled 7.5" rows, Roundup Ready after Corn (65 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	PivotD 125" Lift	6	ai	4.17	41.61	1.96	8.99	2.84	5.38	64.95	
7	Combine Irr SB	1		3.67	6.54	7.72	1.27	6.33	2.70	28.23	
8	Truck	Custom									
Total for Field Operations				11.67	50.82	11.03	14.48	13.63	16.50	118.13	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	Glyphosate w/Surf	1	100%	32 ounce		0.13	4.25	
	2,4-D Ester 4#	1	100%	1 pint		2.69	2.69	
	21-0-0-24S	1	100%	1.7 pound		0.33	0.56	
	Valor XLT	1	100%	3 ounce		5.19	15.56	
	RR Soybeans	2	100%	1.1 bag		44.00	48.40	
	Glyphosate w/Surf	3	100%	32 ounce		0.13	4.25	
	Select Max	3	100%	6 ounce		0.86	5.16	
	21-0-0-24S	3	100%	1.7 pound		0.33	0.56	
*	Aerial Spray	4	20%	1 acre		9.50	1.90	
*	Warrior II/Zeon	4	20%	1.6 ounce		2.97	0.95	
	Aerial Spray	5	50%	1 acre		9.50	4.75	
	Stratego YLD	5	50%	4 ounce		5.63	11.25	
	Haul Grain bu	8	100%	65 bushel		0.11	7.15	
	Scouting Irrigated SB		100%	1 acre		10.00	10.00	
	Soybeans Irrigated		100%	1 acre		8.50	8.50	
Total Materials & Services							125.93	

* Insecticide for Aphids and Army Cutworms

Total listed costs for Field Operations and Materials & Services							244.06	
Interest on Opns Capital	\$ 213.93	cash expense @	5.50%	for 6.0 mo.			5.88	
Total Operating and Use Related Ownership Costs							249.94	

Overhead (accounting, liability insurance, vehicle cost, office expense)							20.00	
Real Estate Opportunity	Pivot (State)	\$ 7,685	per acre @	4.00%			307.40	
Real Estate Taxes		\$ 7,685	per acre @	1.00%			76.85	
Total Cost per Acre Including Overhead							654.19	

Cost per bu							10.06	
Cash Cost per bu							4.56	

2015 Budget 54. Sugarbeet Roundup Ready, one pass zone-tillage (26 ton Actual Yield)
Canal Irrigated, 20 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	Spray	Custom									
4	Till Plant Beets	1		3.67	5.14	0.52	4.58	7.53	2.40	23.84	
5	Hoe	1		1.50	0.93	0.56	0.33	1.86	1.20	6.38	
6	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
7	Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
8	Spray	Custom									
9	Ditch Irrigation	20	ai	22.22	0.00	0.00	0.00	0.00	0.00	22.22	
10	Spray	Custom									
11	Aerial Spray	Custom									
12	Top Beets	1		3.45	2.26	1.42	3.32	4.72	2.16	17.33	
13	Lift Beets	1		3.67	3.86	0.52	13.70	7.53	5.51	34.79	
14	Truck	Custom									
15	Subsoil	1		2.22	3.43	0.35	0.33	5.02	1.31	12.66	
Total for Field Operations				43.58	21.70	5.43	24.34	36.66	19.00	150.71	

Materials & Services		Operation Index	Percent Acres Applied	Application		Applied Price	Total	Your Estimate
				Rate	Unit			
10-34-0	Fertilizer	2	100%	13.4	gallon	3.30	44.22	
28-0-0	Fertilizer	2	100%	115	lbs N	0.57	65.17	
Spray	Custom	3, 8, 10	300%	1	acre	7.00	21.00	
Glyphosate w/Surf	Herbicide	3	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	3	100%	1.7	pound	0.33	0.56	
Sugar Beets RR Poncho	Seed	4	100%	1	acre	180.00	180.00	
Spray	Custom	8	100%	1	acre	7.00	7.00	
Glyphosate w/Surf	Herbicide	8	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	8	100%	1.7	pound	0.33	0.56	
Irrigation District O&M Charge	Other	9	100%	1	acre	30.00	30.00	
Spray	Custom	10	100%	1	acre	7.00	7.00	
Glyphosate w/Surf	Herbicide	10	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	10	100%	1.7	pound	0.33	0.56	
Aerial Spray	Custom	11	100%	1	acre	9.50	9.50	
Quadris	Fungicide	11	100%	7	ounce	3.32	23.24	
Haul Beets	Custom	14	100%	26	ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00	
Sugar Beets	Crop Insurance		100%	1	acre	20.00	20.00	
Total Materials & Services							569.15	

Total listed costs for Field Operations and Materials & Services 719.86

Interest on Opns Capital \$ 664.20 cash expense @ 5.50% for 6.0 mo. 18.27

Total Operating and Use Related Ownership Costs 738.13

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Gravity (Panhandle) \$ 3,040 per acre @ 4.00% 121.60

Real Estate Taxes \$ 3,040 per acre @ 1.00% 30.40

Total Cost per Acre Including Overhead 910.13

Cost per ton 35.01

Cash Cost per ton 26.25

2015 Budget 55. Sugarbeet Roundup Ready, Conventional Tillage (26 ton Actual Yield)
Gravity Irrigated, Canal, 20 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	Spray	Custom									
4	Plow	1		2.93	2.99	0.42	0.80	6.03	0.54	13.71	
5	Roller Harrow	1		2.00	1.87	0.82	0.99	2.73	3.12	11.53	
6	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
7	Field Cultivation	2		2.93	4.08	1.10	2.53	3.65	3.12	17.41	
8	Ridge Cultivate/Ditch	1		1.83	1.66	0.69	0.35	2.28	1.59	8.40	
9	Spray	Custom									
10	Ditch Irrigation	20	ai	22.22	0.00	0.00	0.00	0.00	0.00	22.22	
11	Spray	Custom									
12	Aerial Spray	Custom									
13	Top Beets	1		3.45	2.26	1.42	3.32	4.72	2.16	17.33	
14	Lift Beets	1		3.67	3.86	0.52	13.70	7.53	5.51	34.79	
15	Truck	Custom									
Total for Field Operations				46.67	24.40	6.76	25.81	39.92	24.41	167.97	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	10-34-0	Fertilizer	2	100%	13.4 gallon	3.30	44.22	
	28-0-0	Fertilizer	2	100%	115 lbs N	0.57	65.17	
	Spray	Custom	3, 9, & 11	300%	1 acre	7.00	21.00	
	Glyphosate w/Surf	Herbicide	3	100%	36 ounce	0.13	4.78	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
	Sugar Beets RR Poncho	Seed	6	100%	1 acre	180.00	180.00	
	Glyphosate w/Surf	Herbicide	9	100%	36 ounce	0.13	4.78	
	21-0-0-24S	Additive	9	100%	1.7 pound	0.33	0.56	
	Irrigation District O&M Charge	Other	10	100%	1 acre	30.00	30.00	
	Spray	Custom	11	100%	1 acre	7.00	7.00	
	Glyphosate w/Surf	Herbicide	11	100%	36 ounce	0.13	4.78	
	21-0-0-24S	Additive	11	100%	1.7 pound	0.33	0.56	
	Aerial Spray	Custom	12	100%	1 acre	9.50	9.50	
	Quadris	Fungicide	12	100%	7 ounce	3.32	23.24	
	Haul Beets	Custom	15	100%	26 ton	5.00	130.00	
	Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00	
	Sugar Beets	Crop Insurance		100%	1 acre	20.00	20.00	
Total Materials & Services							562.15	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 665.79 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Gravity (Panhandle) \$ 3,040 per acre @ 4.00%
Real Estate Taxes \$ 3,040 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

730.12	
18.31	
748.43	
20.00	
121.60	
30.40	
920.43	
35.40	
26.31	

2015 Budget 56. Sugarbeet Roundup Ready, one pass zone-tillage (26 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	Spray	Custom									
4	Till Plant Beets	1		3.67	5.14	0.52	4.58	7.53	2.40	23.84	
5	Row Crop Cultivation	1		2.00	1.19	0.75	0.43	2.49	1.59	8.45	
6	Spray	Custom									
7	PivotD 125' Lift	16	ai	11.11	110.96	5.23	23.98	7.57	14.34	173.19	
8	Spray	Custom									
9	Aerial Spray	Custom									
10	Top Beets	1		3.45	2.26	1.42	3.32	4.72	2.16	17.33	
11	Lift Beets	1		3.67	3.86	0.52	13.70	7.53	5.51	34.79	
12	Truck	Custom									
13	Subsoil	1		2.22	3.43	0.35	0.33	5.02	1.31	12.66	
Total for Field Operations				29.14	130.07	9.41	47.64	40.09	30.55	286.90	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
10-34-0	Fertilizer	2	100%	13.4	gallon	3.30	44.22	
28-0-0	Fertilizer	2	100%	115	lbs N	0.57	65.17	
Spray	Custom	3, 6, and 8	300%	1	acre	7.00	21.00	
Glyphosate w/Surf	Herbicide	3	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	3	100%	1.7	pound	0.33	0.56	
Sugar Beets RR Poncho	Seed	4	100%	1	acre	180.00	180.00	
Glyphosate w/Surf	Herbicide	6	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	6	100%	1.7	pound	0.33	0.56	
Glyphosate w/Surf	Herbicide	8	100%	36	ounce	0.13	4.78	
21-0-0-24S	Additive	8	100%	1.7	pound	0.33	0.56	
Aerial Spray	Custom	9	100%	1	acre	9.50	9.50	
Quadris	Fungicide	9	100%	7	ounce	3.32	23.24	
Haul Beets	Custom	12	100%	26	ton	5.00	130.00	
Scouting Sugar Beets	Scouting		100%	1	acre	16.00	16.00	
Sugar Beets	Crop Insurance		100%	1	acre	20.00	20.00	
Total Materials & Services							525.15	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 741.41 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00%
Real Estate Taxes \$ 3,770 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per ton

Cash Cost per ton

812.05

20.39

832.44

20.00

150.80

37.70

1040.94

40.04

29.30

2015 Budget 57. Sugarbeet Roundup Ready, Conventional Tillage (26 ton Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 16 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3	Plow	1		2.93	2.99	0.42	0.80	6.03	0.54	13.71	
4	Roller Harrow	1		2.00	1.87	0.82	0.99	2.73	3.12	11.53	
5	Plant	1		2.40	1.02	0.82	2.49	2.73	3.82	13.28	
6	Spray	Custom									
7	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
8	PivotD 125' Lift	16	ai	11.11	110.96	5.23	23.98	7.57	14.34	173.19	
9	Spray	Custom									
10	Aerial Spray	Custom									
11	Top Beets	1		3.45	2.26	1.42	3.32	4.72	2.16	17.33	
12	Lift Beets	1		3.67	3.86	0.52	13.70	7.53	5.51	34.79	
13	Truck	Custom									
14	Subsoil	1		2.22	3.43	0.35	0.33	5.02	1.31	12.66	
Total for Field Operations				32.27	131.66	10.75	48.18	43.38	35.60	301.84	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	10-34-0	Fertilizer	2	100%	13.4 gallon	3.30	44.22	
	28-0-0	Fertilizer	2	100%	115 lbs N	0.57	65.17	
	Spray	Custom	6 & 9	200%	1 acre	7.00	14.00	
	Glyphosate w/Surf	Herbicide	6	100%	36 ounce	0.13	4.78	
	21-0-0-24S	Additive	6	100%	1.7 pound	0.33	0.56	
	Sugar Beets RR Poncho	Seed	5	100%	1 acre	180.00	180.00	
	Glyphosate w/Surf	Herbicide	9	100%	36 ounce	0.13	4.78	
	21-0-0-24S	Additive	9	100%	1.7 pound	0.33	0.56	
	Aerial Spray	Custom	10	100%	1 acre	9.50	9.50	
	Quadris	Fungicide	10	100%	7 ounce	3.32	23.24	
	Haul Beets	Custom	13	100%	26 ton	5.00	130.00	
	Scouting Sugar Beets	Scouting		100%	1 acre	16.00	16.00	
	Sugar Beets	Crop Insurance		100%	1 acre	20.00	20.00	
Total Materials & Services							512.81	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 735.67

cash expense @

5.50% for 6.0 mo.

814.65

20.23

Total Operating and Use Related Ownership Costs

834.88

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

Real Estate Opportunity

Pivot (Panhandle)

\$ 3,770

per acre @

4.00%

150.80

Real Estate Taxes

\$ 3,770

per acre @

1.00%

37.70

Total Cost per Acre Including Overhead

1043.38

Cost per ton

40.13

Cash Cost per ton

29.07

Dryland

*Insecticide for seed weevil and sunflower moth.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 139.65	cash expense @	5.50%	for 6.0 mo.
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Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity	Dryland (Panhandle)	\$	845	per acre @	4.00%
Real Estate Taxes		\$	845	per acre @	1.00%

Total Cost per Acre Including Overhead

Cost per cwt

Cash Cost per cwt

2015 Budget 59. Sunflower, Ecofallow, after Wheat, 2 Crops in 3 Yr (16 cwt Actual Yield)
Dryland

		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership			Your	
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Spray	0.5		0.50	0.20	0.16	0.31	0.55	0.43	2.15	
5	Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
6	Aerial Spray	Custom									
7	Combine Sunflowers	1		3.14	5.61	6.62	1.01	5.42	3.06	24.86	
8	Truck	Custom									
Total for Field Operations				9.04	8.24	8.59	7.55	11.97	12.77	58.16	

		Operation	Percent	Application	Applied			Your
	Materials & Services	Index	Acres	Rate	Unit	Price	Total	Estimate
	Landmaster BW	Herbicide	1	100%	54 ounce	0.15	8.02	
	21-0-0-24S	Additive	1	100%	2 pound	0.33	0.66	
	Glyphosate w/Surf	Herbicide	2	100%	32 ounce	0.13	4.25	
	21-0-0-24S	Additive	2	100%	1.7 pound	0.33	0.56	
	Glyphosate w/Surf	Herbicide	3	100%	32 ounce	0.13	4.25	
	21-0-0-24S	Additive	3	100%	1.7 pound	0.33	0.56	
	Prowl H ₂ O	Herbicide	3	100%	2 pint	6.13	12.25	
	28-0-0	Fertilizer	3	100%	60 lbs N	0.57	34.00	
	Spartan 4F	Herbicide	3	100%	5 ounce	5.86	29.30	
	Glyphosate w/Surf	Herbicide	4	50%	32 ounce	0.13	2.13	
	21-0-0-24S	Additive	4	50%	1.7 pound	0.33	0.28	
	Prowl H ₂ O	Herbicide	4	50%	1 pint	6.13	3.06	
	Sunflower	Seed	5	100%	5 pound	1.05	5.25	
*	Aerial Spray	Custom	6	50%	1 acre	9.50	4.75	
*	Warrior II/Zeon	Insecticide	6	50%	1.92 ounce	2.97	2.85	
	Haul Grain (Sunflower)	Custom	8	100%	16 cwt	0.30	4.80	
	Sunflower Dryland	Crop Insurance		100%	1 acre	14.00	14.00	
Total Materials & Services							130.97	

*Insecticide for seed weevil and sunflower moth.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 164.39 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00%
Real Estate Taxes \$ 845 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per cwt

Cash Cost per cwt

189.13	
4.52	
193.65	
20.00	
33.80	
8.45	
255.90	
15.99	
11.09	

2015 Budget 60. Sunflower, No-Till (30 cwt Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 8 acre-inches

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2 Spray fertilizer and herbicide	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
3 Plant No-Till	1		2.40	1.26	0.82	4.37	2.73	6.70	18.28	
4 Aerial Spray	Custom									
5 PivotE 125' Lift w/fertigation	8	ai	7.41	21.24	2.23	12.91	4.04	7.72	55.55	
6 Combine Sunflowers	1		3.14	5.61	6.62	1.01	5.42	3.06	24.86	
7 Truck	Custom									
Total for Field Operations			14.95	28.89	10.33	19.09	14.37	20.49	108.12	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56	
Prowl H2O	Herbicide	2	100%	2.3 pint		6.13	14.09	
Spartan 4F	Herbicide	2	100%	4 ounce		5.86	23.44	
28-0-0	Fertilizer	2	100%	50 lbs N		0.57	28.33	
Sunflower	Seed	3	100%	3.5 pound		1.05	3.68	
10-34-0	Fertilizer	3	100%	4 gallon		3.30	13.20	
* Aerial Spray	Custom	4	50%	1 acre		9.50	4.75	
* Warrior II/Zeon	Insecticide	4	50%	3.84 ounce		2.97	5.70	
Electricity Fixed	Other	5	100%	1 acre		28.00	28.00	
Haul Grain (Sunflower)	Custom	7	100%	30 cwt		0.30	9.00	
Sunflower Irrigated	Crop Insurance		100%	1 acre		19.00	19.00	
Total Materials & Services							154.00	

*Insecticide for seed weevil and sunflower moth.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 227.26 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity

Real Estate Taxes

Pivot (Panhandle)

\$ 3,770

\$ 3,770

per acre @

per acre @

4.00%

1.00%

Total Cost per Acre Including Overhead

Cost per cwt

Cash Cost per cwt

262.12

6.25

268.37

20.00

150.80

37.70

476.87

15.90

7.78

2015 Budget 61. Wheat, No-Till after Row Crop, 50 bu Yield Goal (45 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3	Aerial Spray	Custom									
4	Aerial Spray	Custom									
5	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
6	Truck	Custom									
Total for Field Operations				5.97	7.87	7.64	4.49	8.79	10.26	45.02	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	10-34-0	Fertilizer	1	100%	8 gallon	3.30	26.40	
	Wheat (certified and treated)	Seed	1	100%	90 pound	0.28	25.20	
	28-0-0	Fertilizer	2	100%	75 lbs N	0.57	42.50	
	Ally Extra SGW/TOTSOL	Herbicide	2	100%	0.3 ounce	9.00	2.70	
	2,4-D Ester 4#	Herbicide	2	100%	0.5 pint	2.69	1.34	
	NIS	Additive	2	100%	6 ounce	0.18	1.08	
*	Aerial Spray	Custom	3	20%	1 acre	9.50	1.90	
*	Tilt	Fungicide	3	20%	4 ounce	0.82	0.66	
**	Aerial Spray	Custom	4	15%	1 acre	9.50	1.43	
**	Lorsban 4 E	Insecticide	4	10%	1 pint	6.25	0.63	
**	Warrior II/Zeon	Insecticide	4	5%	1.92 ounce	2.97	0.29	
	Haul Grain bu	Custom	5	100%	45 bushel	0.11	4.95	
	Scouting Wheat	Scouting		100%	1 acre	8.00	8.00	
	Wheat After Crop	Crop Insurance			acre	14.50	14.50	
Total Materials & Services							131.58	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 157.55 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity

Real Estate Taxes

Dryland (Southwest)

\$ 1,965

per acre @

4.00%

\$ 1,965

per acre @

1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

176.60

4.33

180.93

20.00

78.60

19.65

299.18

6.65

4.03

2015 Budget 62. Wheat, No-Till Fallow, 1 Crop in 2 Yr, 60 bu Yield Goal (55 bu Actual Yield)
Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2 Spray (Prior Year Stubble)	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
5 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
6 No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
7 Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
8 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
9 Aerial Spray	Custom									
10 Aerial Spray	Custom									
11 Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
12 Truck	Custom									
Total for Field Operations			12.54	10.96	9.94	7.59	16.39	14.56	71.98	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56	
Glyphosate w/Surf	Herbicide	2	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	2	100%	1.7 pound		0.33	0.56	
AAtrex 4L	Herbicide	2	100%	1 quart		5.25	5.25	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	3	100%	1.7 pound		0.33	0.56	
Glyphosate w/Surf	Herbicide	4	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	4	100%	1.7 pound		0.33	0.56	
Glyphosate w/Surf	Herbicide	5	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	5	100%	1.7 pound		0.33	0.56	
10-34-0	Fertilizer	6	100%	8 gallon		3.30	26.40	
Wheat (certified and treated)	Seed	6	100%	60 pound		0.28	16.80	
46-0-0	Fertilizer	7	100%	70 lbs N		0.57	39.90	
Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce		9.00	2.70	
2,4-D Ester 4#	Herbicide	8	100%	0.5 pint		2.69	1.34	
NIS	Additive	8	100%	6 ounce		0.18	1.08	
* Aerial Spray	Custom	9	20%	1 acre		9.50	1.90	
* Tilt	Fungicide	9	20%	4 ounce		0.82	0.66	
** Aerial Spray	Custom	10	15%	1 acre		9.50	1.43	
** Lorsban 4 E	Insecticide	10	10%	1 pint		6.25	0.63	
** Warrior II/Zeon	Insecticide	10	5%	1.92 ounce		2.97	0.29	
Haul Grain bu	Custom	12	100%	55 bushel		0.11	6.05	
Scouting Wheat	Scouting		100%	1 acre		8.00	8.00	
Wheat Fallowed	Crop Insurance			acre		9.50	9.50	
Total Materials & Services							145.98	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services 217.96

Interest on Opns Capital \$ 187.01 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs 223.10

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00% 50.70

Real Estate Taxes \$ 845 per acre @ 1.00% 12.68

Total Cost per Acre Including Overhead 306.48

Cost per bu 5.57

Cash Cost per bu 3.72

2015 Budget 63. Wheat, Stubble Mulch Fallow, 1 Crop in 2 Yr, 55 bu Yield Goal (50 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	Fallow Master	1		1.76	2.58	0.25	0.91	3.62	1.56	10.68	
2	Fallow Master	1		1.76	2.58	0.25	0.91	3.62	1.56	10.68	
3	Fallow Master	1		1.76	2.58	0.25	0.91	3.62	1.56	10.68	
4	Rod Weeder	1		1.52	1.51	0.62	0.23	2.07	0.99	6.94	
5	Rod Weeder	1		1.52	1.51	0.62	0.23	2.07	0.99	6.94	
6	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
7	Spray Fertilizer	1		1.00	0.39	0.33	0.18	1.09	2.15	5.14	
8	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
11	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
12	Truck	Custom									
Total for Field Operations				15.22	18.62	9.93	7.65	24.79	14.84	91.05	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	10-34-0	Fertilizer	6	100%	8 gallon	3.30	26.40	
	Wheat (certified and treated)	Seed	6	100%	55 pound	0.28	15.40	
	28-0-0	Fertilizer	7	100%	65 lbs N	0.57	36.83	
	2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.69	1.34	
	Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70	
	NIS	Additive	8	100%	6 ounce	0.18	1.08	
*	Aerial Spray	Custom	9	20%	1 acre	9.50	1.90	
*	Tilt	Fungicide	9	20%	4 ounce	0.82	0.66	
**	Aerial Spray	Custom	10	15%	1 acre	9.50	1.43	
**	Lorsban 4 E	Insecticide	10	10%	1 pint	6.25	0.63	
**	Warrior II/Zeon	Insecticide	10	5%	1.92 ounce	2.97	0.29	
	Haul Grain bu	Custom	12	100%	50 bushel	0.11	5.50	
	Scouting Wheat	Scouting		100%	1 acre	8.00	8.00	
	Wheat Fallowed	Crop Insurance			acre	9.50	9.50	
Total Materials & Services							111.66	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services 202.71

Interest on Opns Capital \$ 163.08 cash expense @ 5.50% for 6.0 mo. 4.48

Total Operating and Use Related Ownership Costs 207.19

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00% 67.60

Real Estate Taxes \$ 845 per acre @ 1.00% 16.90

Total Cost per Acre Including Overhead 311.69

Cost per bu 6.23

Cash Cost per bu 3.69

2015 Budget 64. Wheat, Clean Till Fallow, 1 Crop in 2 Yr, 50 bu Yield Goal (45 bu Actual Yield)
Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50	
2	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
3	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
4	Field Cultivation	1		1.47	2.04	0.55	1.27	1.82	1.56	8.71	
5	Rod Weeder	1		1.52	1.51	0.62	0.23	2.07	0.99	6.94	
6	Rod Weeder & Fertilizer	1		1.82	1.51	0.62	0.23	2.07	0.99	7.24	
7	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34	
8	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
9	Aerial Spray	Custom									
10	Aerial Spray	Custom									
11	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
12	Truck	Custom									
Total for Field Operations				15.67	19.45	10.79	9.67	22.44	13.78	91.80	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	32-0-0	Fertilizer	6	100%	50 lbs N	0.55	27.50	
	10-34-0	Fertilizer	7	100%	8 gallon	3.30	26.40	
	Wheat (certified and treated)	Seed	7	100%	50 pound	0.28	14.00	
	2,4-D Ester 4#	Herbicide	8	100%	0.5 pint	2.69	1.34	
	Ally Extra SGW/TOTSOL	Herbicide	8	100%	0.3 ounce	9.00	2.70	
	NIS	Additive	8	100%	6 ounce	0.18	1.08	
*	Aerial Spray	Custom	9	20%	1 acre	9.50	1.90	
*	Tilt	Fungicide	9	20%	4 ounce	0.82	0.66	
**	Aerial Spray	Custom	10	15%	1 acre	9.50	1.43	
**	Lorsban 4 E	Insecticide	10	10%	1 pint	6.25	0.63	
**	Warrior II/Zeon	Insecticide	10	5%	1.92 ounce	2.97	0.29	
	Haul Grain bu	Custom	12	100%	1 bushel	0.11	0.11	
	Scouting Wheat	Scouting		100%	1 acre	8.00	8.00	
	Wheat Fallowed	Crop Insurance			acre	9.50	9.50	
Total Materials & Services							95.54	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services 187.34

Interest on Opns Capital \$ 151.12 cash expense @ 5.50% for 6.0 mo. 4.16

Total Operating and Use Related Ownership Costs 191.50

Overhead (accounting, liability insurance, vehicle cost, office expense) 20.00

Real Estate Opportunity Dryland (Panhandle) \$ 845 per acre @ 4.00% 67.60

Real Estate Taxes \$ 845 per acre @ 1.00% 16.90

Total Cost per Acre Including Overhead 296.00

Cost per bu 6.58

Cash Cost per bu 3.83

2015 Budget 65. Wheat, No-Till Wheat before Corn, 2 Crops in 3 Yr, 65 bu Yield Goal (60 bu Actual Yield)
Dryland

Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
					Power	Imp.	Power	Imp.		
1 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
3 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
5 No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
6 Spread, Fertilizer	1		1.57	1.14	0.65	0.00	2.15	0.00	5.51	
7 Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
8 Aerial Spray	Custom									
9 Aerial Spray	Custom									
10 Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
11 Truck	Custom									
Total for Field Operations			11.54	10.57	9.61	6.97	15.30	13.70	67.69	

Materials & Services		Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	1	100%	1.7 pound		0.33	0.56	
2,4-D Ester 4#	Herbicide	1	100%	1 pint		2.69	2.69	
Glyphosate w/Surf	Herbicide	2	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	2	100%	1.7 pound		0.33	0.56	
2,4-D Ester 4#	Herbicide	2	100%	1 pint		2.69	2.69	
Glyphosate w/Surf	Herbicide	3	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	3	100%	1.7 pound		0.33	0.56	
2,4-D Ester 4#	Herbicide	3	100%	1 pint		2.69	2.69	
Glyphosate w/Surf	Herbicide	4	100%	32 ounce		0.13	4.25	
21-0-0-24S	Additive	4	100%	1.7 pound		0.33	0.56	
10-34-0	Fertilizer	5	100%	8 gallon		3.30	26.40	
Wheat (certified and treated)	Seed	5	100%	60 pound		0.28	16.80	
46-0-0	Fertilizer	6	100%	80 lbs N		0.57	45.60	
Ally Extra SGW/TOTSOL	Herbicide	7	100%	0.3 ounce		9.00	2.70	
NIS	Additive	7	100%	6 ounce		0.18	1.08	
2,4-D Ester 4#	Herbicide	7	100%	0.5 pint		2.69	1.34	
* Aerial Spray	Custom	8	20%	1 acre		9.50	1.90	
* Tilt	Fungicide	8	20%	4 ounce		0.82	0.66	
** Aerial Spray	Custom	9	15%	1 acre		9.50	1.43	
** Lorsban 4 E	Insecticide	9	10%	1 pint		6.25	0.63	
** Warrior II/Zeon	Insecticide	9	5%	1.92 ounce		2.97	0.29	
Haul Grain bu	Custom	11	100%	60 bushel		0.11	6.60	
Scouting Wheat	Scouting		100%	1 acre		8.00	8.00	
Wheat Fallowed	Crop Insurance			acre		9.50	9.50	
Total Materials & Services							150.24	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 188.93 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Dryland (Southwest) \$ 1,965 per acre @ 4.00%
Real Estate Taxes \$ 1,965 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

6.51

3.73

2015 Budget 66. Wheat, No-Till after Beans, 100 bu Yield Goal (90 bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 8 acre-inches

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs Power	Repairs Imp.	Ownership Power	Ownership Imp.	Total	Your Estimate
1	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
2	PivotD 125' Lift	8	ai	5.56	55.48	2.61	11.99	3.78	7.17	86.59	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	Aerial Spray	Custom									
5	Aerial Spray	Custom									
6	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
7	Truck	Custom									
Total for Field Operations				11.53	63.35	10.25	16.48	12.57	17.43	131.61	

	Materials & Services	Operation Index	Percent Acres Applied	Application Rate	Unit	Applied Price	Total	Your Estimate
	10-34-0	Fertilizer	1	100%	8 gallon	3.30	26.40	
	Wheat (certified and treated)	Seed	1	100%	120 pound	0.28	33.60	
	28-0-0	Fertilizer	2	100%	120 lbs N	0.57	68.00	
	2,4-D Ester 4#	Herbicide	3	100%	0.5 pint	2.69	1.34	
	Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce	9.00	2.70	
	NIS	Additive	3	100%	6 ounce	0.18	1.08	
*	Aerial Spray	Custom	4	100%	1 acre	9.50	9.50	
*	Tilt	Fungicide	4	100%	4 ounce	0.82	3.28	
**	Aerial Spray	Custom	5	15%	1 acre	9.50	1.43	
**	Lorsban 4 E	Insecticide	5	10%	1 pint	6.25	0.63	
**	Warrior II/Zeon	Insecticide	5	5%	1.92 ounce	2.97	0.29	
	Haul Grain bu	Custom	7	100%	90 bushel	0.11	9.90	
	Scouting Wheat	Scouting		100%	1 acre	8.00	8.00	
	Wheat Irrigated	Crop Insurance			acre	13.25	13.25	
Total Materials & Services							179.40	

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 281.01 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00% 150.80
Real Estate Taxes \$ 3,770 per acre @ 1.00% 37.70

Total Cost per Acre Including Overhead

Cost per bu

Cash Cost per bu

5.86

3.63

2015 Budget 67. Wheat, No-Till, in Rotation (85 Bu Actual Yield)
Pivot Irrigated, 800 GPM 35 PSI, 6 acre-inches

		Times or		Labor @	Fuel @ \$3.25	Repairs		Ownership			Your
	Field Operations	Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Total	Estimate
1	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
2	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
3	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
4	PivotE 125' Lift w/fertigation	6	ai	5.56	15.93	1.67	9.68	3.03	5.79	41.66	
5	Aerial Spray	Custom									
6	Aerial Spray	Custom									
7	Combine Small Grain	1		3.14	5.59	6.62	0.89	5.42	2.70	24.36	
8	Truck	Custom									
Total for Field Operations				12.53	24.19	9.64	14.79	12.91	16.91	90.97	

			Operation	Percent	Application	Applied		Your
	Materials & Services		Index	Acres	Rate	Unit	Price	Estimate
	Glyphosate w/Surf	Herbicide	1	100%	32 ounce		0.13	4.25
	Valor XLT	Herbicide	1	100%	1.5 ounce		5.19	7.78
	Wheat (certified and treated)	Seed	2	100%	120 pound		0.28	33.60
	11-52-0	Fertilizer	2	100%	40 pound		0.30	12.00
	2,4-D Ester 4#	Herbicide	3	100%	0.5 pint		2.69	1.34
	Ally Extra SGW/TOTSOL	Herbicide	3	100%	0.3 ounce		9.00	2.70
	NIS	Additive	3	100%	6 ounce		0.18	1.08
	32-0-0 (Applied by Pivot)	Fertilizer	4	100%	115 lbs N		0.55	63.25
	Electricity Fixed	Other	4	100%	1 acre		28.00	28.00
*	Aerial Spray	Custom	5	100%	1 acre		9.50	9.50
*	Tilt	Fungicide	5	100%	4 ounce		0.82	3.28
**	Aerial Spray	Custom	6	15%	1 acre		9.50	1.43
**	Lorsban 4 E	Insecticide	6	10%	1 pint		6.25	0.63
**	Warrior II/Zeon	Insecticide	6	5%	1.92 ounce		2.97	0.29
	Haul Grain (Millet)	Custom	8	100%	85 cwt		0.24	20.40
	Wheat Irrigated	Crop Insurance			acre		13.25	13.25
Total Materials & Services								202.78

*Fungicide for rust **Insecticide for aphids and army cutworm.

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital \$ 263.93 cash expense @ 5.50% for 6.0 mo.

Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity Pivot (Panhandle) \$ 3,770 per acre @ 4.00%
Real Estate Taxes \$ 3,770 per acre @ 1.00%

Total Cost per Acre Including Overhead

Cost per Bu

Cash Cost per Bu

293.75	
7.26	
301.01	
20.00	
150.80	
37.70	
509.51	
5.99	
3.19	

2015 Budget 68. Cover Crop, Conventional Tillage
Dryland

Field Operations		Times or	Labor @	Fuel @ \$3.25	Repairs		Ownership		Total	Your
		Qty	Unit	\$20.00 /Hr	and Lube	Power	Imp.	Power	Imp.	Estimate
1	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50
2	Drill	1		1.76	1.49	0.66	2.77	2.19	2.47	11.34
3	Disc	1		2.02	2.84	0.29	1.12	4.14	1.09	11.50
Total for Field Operations				5.80	7.17	1.24	5.01	10.47	4.65	34.34

Materials & Services		Operation	Percent	Application	Applied	Total	Your
		Index	Acres	Rate	Unit	Price	Estimate
Cover Crop	Seed	2	100%	1 acre		20.00	20.00
Total Materials & Services						20.00	

Total listed costs for Field Operations and Materials & Services 54.34

Interest on Opns Capital \$ 39.22 cash expense @ 5.50% for 6.0 mo. 1.08

Total Operating and Use Related Ownership Costs 55.42

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

Real Estate Opportunity \$ - per acre @ 4.00% 0.00

Real Estate Taxes \$ - per acre @ 1.00% 0.00

Total Cost per Acre Including Overhead 55.42

2015 Budget 69. Cover Crop, No-Till Dryland

	Field Operations	Times or Qty	Unit	Labor @ \$20.00 /Hr	Fuel @ \$3.25 and Lube	Repairs		Ownership		Total	Your Estimate
						Power	Imp.	Power	Imp.		
1	No-Till Drill	1		1.83	1.89	0.69	2.98	2.28	6.70	16.37	
2	Spray	1		1.00	0.39	0.33	0.62	1.09	0.86	4.29	
	Total for Field Operations			2.83	2.28	1.02	3.60	3.37	7.56	20.66	

		Operation	Percent	Application		Applied		Your
Materials & Services		Index	Acres	Rate	Unit	Price	Total	Estimate
Cover Crop	Seed	1	100%	1	acre	20.00	20.00	
2,4-D Ester 4#	Herbicide	2	100%	1	pint	2.69	2.69	
Glyphosate w/Surf	Herbicide	2	100%	32	ounce	0.13	4.25	
Total Materials & Services							26.94	

Total listed costs for Field Operations and Materials & Services

Interest on Opns Capital	\$ 36.67	cash expense @	5.50%	for 6.0 mo.
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Total Operating and Use Related Ownership Costs

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

Real Estate Opportunity	\$	-	per acre @	4.00%	0.00
Real Estate Taxes	\$	-	per acre @	1.00%	0.00

Total Cost per Acre Including Overhead

48.61