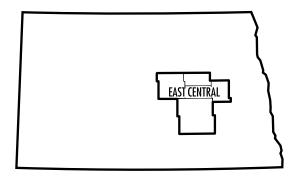


February 2023

# Projected 2023 Crop Budgets



# **East Central North Dakota**

Ron Haugen, Farm Management Specialist

Note: This region consists of five counties: Eddy, Foster, Griggs, Stutsman and Wells.

The 2023 crop budgets provide an estimate of revenues and costs for selected crops. Each set of budgets are developed for a multi-county region. There is considerable variation in soil type and productivity, weather conditions, as well as management and production practices within each region. Therefore, THESE BUDGETS ARE ONLY INTENDED TO BE USED AS A GUIDE. EVERY INDIVIDUAL IS HIGHLY ENCOURAGED TO DEVELOP HIS/HER OWN BUDGETS!

The profitability budget accounts for full economic opportunity costs for land and machinery investment, regardless of farm operator equity position. The bottom line is the return to labor and management. This is the expected "payment" to the producer for the labor and managerial efforts required by the crop enterprise. Each individual must make the decision whether it is sufficient.

The budget can be changed to conform to the more common definition of accounting profit (return to unpaid labor and management, and owner equity) by

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replacing the machinery investment and land charge cost items with your per acre interest and rental expense of machinery and land, and real estate tax if land is owned.

The budget can be used for long run decisions if the revenues and costs are realistic for several years. (Crop prices, direct costs, and the land charge are best estimates for only the 2023 crop year, but crop yields are historic averages and machinery ownership costs are an average for the total length of ownership). If the budget shows a high return to labor and management, and is representative for several years, increased acreage and corresponding investment should be considered. However, if long-run returns to labor and management are unsatisfactory the best decision may be to exit the crop enterprise and employ the machinery and land investment, and labor and management, in a different enterprise or investment.

For short-run planning decisions you can omit the indirect costs if the land and machinery required to produce the different enterprises are in place. Simply compare the crop enterprises by calculating return over direct costs. Labor requirements and risk should also be considered. Insurance is not available for some crops.

The budget can be used to estimate cashflow by making a few modifications. Machinery depreciation should be omitted and the machinery investment number replaced with your per acre principal and interest payment on machinery debt. For owned land, the land charge should be replaced with your per acre real estate tax and principal and interest payment on land debt.

The 2018 Farm Bill continues the Price Loss Coverage (PLC) and Agricultural Risk Coverage (ARC) support programs. PLC and ARC payments have been omitted from the budgets because those payments, if any, are tied to historic farm program base acres, not to current crop selection or production.

### **Primary Assumptions:**

Crops are planted on dryland recrop ground. Costs of moving crop to local market/storage are included.

**Market Price:** Best estimates of NDSU extension economists. The greater of projected market price and marketing loan rate is used.

Market Yields: Average yield for the 7 year period 2015-2021, after the low and high yield years are removed. Yields for safflower, yellow mustard, buckwheat, millet, rye and chickpeas are from NDSU extension agronomists and industry sources.

**Fertilizer:** Cost of fertilizer applied, based on soil test, to meet yield goal. N fertilizer can be reduced if previous crop was soybean, dry bean, field peas or lentil.

### Fertilizer prices:

Nitrogen - .71/lb Phosphorus - .61/lb Potassium - .65/lb

#### **Seed Prices:**

Spring Wheat 16.00/bu Durum 18.00/bu 15.50/bu Barley Corn GM 2.96/thou.kern. Soybean GM .34/thou.kern. .75/thou.kern. Dry Beans Oil Sunflower 1.71/thou.kern. Conf. Sunflower 3.02/thou.kern. Canola 14.80/lb

Flax 30.00/bu Field Peas 20.00/bu Oats 10.00/bu Mustard .98/lb Buckwheat .50/lb .60/lb Millet Winter Wheat 13.50/bu 11.00/bu Rye

### **Fuel prices:**

Diesel 3.90/gal Gas 3.45/gal

Lubrication charge: 15% of fuel cost

**Crop Insurance:** Revenue Protection was used for all wheat, barley, soybeans, corn, canola, sunflowers, field peas, dry beans and lentils with a 75% coverage level and enterprise units. APH insurance was used for other crops for which 70% coverage and optional units were assumed.

**Miscellaneous:** soil testing, machinery rent and custom work.

**Operating Interest:** Direct costs charged 7.5% interest for 6 month period.

Misc. Overhead: Machinery housing and insurance at .5% and .85%, respectively, of average machinery investment. Also, liability insurance and license fees of trucks. In addition, \$5.00 per acre is assumed for general farm utilities, farm publications, meetings, dues, income tax preparation, legal fees, etc.

**Land charge** = average cash rent.

Machinery investment: 4.0% real interest rate, over the years of machine ownership, is charged on average machinery investment. The real, or inflation adjusted, rate is the commercial rate minus the inflation rate. Ave. mach. investment = (Purchase price + Disposal price)/2

**Depreciation** = (Purchase price - disposal price / years ownership)

# **Spring Wheat**

### **Durum**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	54		55	
Market Price	8.08		9.06*	
MARKET REVENUE	436.32		498.30	
DIRECT COSTS				
-Seed	28.00		31.50	
-Herbicides	30.90		30.90	
-Fungicides**	18.50		18.50	
-Insecticides***	0.00		0.00	
-Fertilizer	121.96		124.59	
-Crop Insurance	7.50		9.50	
-Fuel & Lubrication	25.10		25.18	
-Repairs	21.54		21.57	
-Drying	0.00		0.00	
-Miscellaneous	1.75		1.75	
-Operating Interest	9.57		9.88	
	=======	========	======	========
SUM OF LISTED DIRECT COSTS	264.82		273.37	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.96		9.98	
-Machinery Depreciation	25.09		25.15	
-Machinery Investment	13.03		13.06	
-Land Charge	70.00		70.00	
	======	========	======	=========
SUM OF LISTED INDIRECT COSTS	118.08		118.19	
SUM OF ALL LISTED COSTS	382.90		391.56	
RETURN TO LABOR & MANAGEMENT	53.42		106.74	
LISTED COSTS PER BUDGET UNIT	(bu):		(bu):	
-Direct Costs	4.90		4.97	
-Indirect Costs	2.19		2.15	
-Total Costs	7.09		7.12	

### Wheat notes:

<sup>\*</sup>Durum price is for milling quality. There is high risk of lower quality and lower price.

<sup>\*\*</sup>Includes seed treatment, an early season foliar fungicide, and a late season fungicide which is recommended when conditions are favorable for fusarium head blight (scab).

<sup>\*\*\*</sup>Cereal grain aphid insecticide would cost about \$4.

# Malting Barley Corn Grain

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	70		141	
Market Price	6.43*		5.25	
MARKET REVENUE	450.10		740.25	
DIRECT COSTS				
-Seed	27.13		93.24*	
-Herbicides	23.90		48.90	
-Fungicides	18.50**		0.00	
-Insecticides	0.00		0.00	
-Fertilizer	93.86		167.70	
-Crop Insurance	5.00		12.50	
-Fuel & Lubrication	26.28		38.80	
-Repairs	21.73		29.11	
-Drying	0.00		28.20	
-Miscellaneous	1.75		1.75	
-Operating Interest	8.18		15.76	
2 h 2 m 2	=======	=========	=======	
SUM OF LISTED DIRECT COSTS	226.33		435.96	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.34		13.68	
-Machinery Depreciation	26.35		42.97	
-Machinery Investment	13.64		21.61	
-Land Charge	70.00		70.00	
3	=======		======	
SUM OF LISTED INDIRECT COSTS	120.33		148.26	
SUM OF ALL LISTED COSTS	346.66		584.22	
RETURN TO LABOR & MANAGEMENT	103.44	= <u></u>	156.03	
LISTED COSTS PER BUDGET UNIT	(bu):		(bu):	
-Direct Costs	3.23		3.09	
-Indirect Costs	1.72		1.05	
-Total Costs	4.95		4.14	

### Barley notes:

### Corn notes:

\*GM corn with herbicide tolerance and above ground insect control traits.

<sup>\*</sup>There is risk of not making malting barley quality. Use \$4.50 for feed barley.

<sup>\*\*</sup>Includes seed treatment, an early season foliar fungicide, and a late season fungicide which is recommended when conditions are favorable for fusarium head blight (scab).

# **Soybeans**

# **Drybeans**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	34		1580	
Market Price	12.25		0.36	
MARKET REVENUE	416.50		568.80	
DIRECT COSTS				
-Seed	65.80*		61.88	
-Herbicides	50.40		46.90*	- <u></u> -
-Fungicides	0.00		20.00**	
-Insecticides	4.00**		0.00	
-Fertilizer	11.15		45.78	
-Crop Insurance	6.00		10.50	
-Fuel & Lubrication	21.31		27.85	
-Repairs	20.37		25.02	
-Drying	0.00		0.00	
-Miscellaneous	5.25		14.25	
-Operating Interest	6.91		9.46	
operating interest	=======		=======	
SUM OF LISTED DIRECT COSTS	191.19		261.64	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.59		10.66	
-Machinery Depreciation	24.48		30.56	
-Machinery Investment	12.56		15.94	
-Land Charge	70.00		70.00	
zana onargo	=======		======	
SUM OF LISTED INDIRECT COSTS	116.63		127.16	
	110100		1277.10	
SUM OF ALL LISTED COSTS	307.82		388.80	
	0002		333.33	
RETURN TO LABOR & MANAGEMENT	108.68		180.00	
- · · · · · · · - · · · · · · · · · · ·				
LISTED COSTS PER BUDGET UNIT	(bu):		(lb):	
-Direct Costs	5.62		0.166	
-Indirect Costs	3.43		0.080	
-Total Costs	9.05		0.246	

### Soybean notes:

### Drybean notes:

<sup>\*</sup>GM soybeans with herbicide tolerance. The cost includes \$8 for inculant and fungicide treatment in addition to seed expense.

<sup>\*\*</sup>Insecticide for soybean aphid, spider mite or foliar-feeding caterpillars.

<sup>\*</sup>Includes dessicant prior to straight cutting.

<sup>\*\*</sup>Fungicide for white mold. A second treatment may be necessary. Fungicide for rust at \$4-\$12 plus application maybe necessary.

## Oil Sunflower

# **Confection Sunflower**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1890		1570	
Market Price	0.253		0.354	
Mariot Fried	0.200		0.00	
MARKET REVENUE	478.17		555.78	
DIRECT COSTS				
-Seed	37.62		57.38	
-Herbicides	35.90		39.00	
-Fungicides	0.00*		0.00*	
-Insecticides	5.00**		10.00**	
-Fertilizer	80.27		63.32	
-Crop Insurance	10.00		15.50	
-Fuel & Lubrication	26.67		25.80	
-Repairs	21.97		21.68	
-Drying	5.49		4.05	
-Miscellaneous	10.75		19.75	
-Operating Interest	8.76		9.62	
operating interest	=======		=======	
SUM OF LISTED DIRECT COSTS	242.43		266.10	
INDIDECT (FIVED) COSTO				
INDIRECT (FIXED) COSTS	40.74		40.55	
-Misc. Overhead	10.74		10.55	
-Machinery Depreciation	27.89		27.30	
-Machinery Investment	15.18		14.91	
-Land Charge	70.00		70.00	
OUNT OF LIGHTED INDIDEOT COOTS	=======	========	======	========
SUM OF LISTED INDIRECT COSTS	123.81		122.76	
SUM OF ALL LISTED COSTS	366.24		388.86	
RETURN TO LABOR & MANAGEMENT	111.93		166.92	
LISTED COSTS PER BUDGET UNIT	(lb):		(lb):	
-Direct Costs	0.128		0.169	
-Indirect Costs	0.066		0.078	
-Total Costs	0.194		0.248	

### Oil Sunflower notes:

### Confection Sunflower notes:

<sup>\*</sup>Fungicide for rust would cost \$4 plus application.

<sup>\*\*</sup>One spraying for head feeding insects (red seed weevil, lygus bug and banded moths). Custom application cost of \$8 is under "Miscellaneous."

<sup>\*</sup>Fungicide for rust would cost \$4 plus application.

<sup>\*\*</sup>Two sprayings for head feeding insects (red seed weevil, lygus bug and banded moths) at about \$5 per application. Each custom application cost of \$8 is under "Miscellaneous."

# Canola

# Flax

Market Yield       1660       18         Market Price       0.261       14.16         MARKET REVENUE       433.26       254.88         DIRECT COSTS       -Seed       74.00         -Seed       74.00       30.00         -Herbicides       28.00       34.30         -Fungicides       0.00*       0.00         -Insecticides       0.00       0.00         -Insecticides       0.00       0.00         -Fertilizer       112.17       36.09         -Crop Insurance       8.00       12.00         -Fuel & Lubrication       24.21       23.75         -Repairs       21.24       22.06         -Drying       0.00       0.00         -Miscellaneous       1.75       1.75         -Operating Interest       10.10       6.00		Per Acre	Your Figures	Per Acre	Your Figures
Market Price       0.261       14.16         MARKET REVENUE       433.26       254.88         DIRECT COSTS       -Seed       74.00       30.00         -Herbicides       28.00       34.30       -Fungicides       0.00         -Fungicides       0.00*       0.00       -1nsecticides       0.00       0.00       -Fertilizer       112.17       36.09       -7.00       -Fertilizer       112.17       36.09       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00       -7.00 <td>Market Yield</td> <td>1660</td> <td></td> <td>18</td> <td></td>	Market Yield	1660		18	
DIRECT COSTS   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   34.30   Seed   74.00   34.30   Seed   74.00   34.30   Seed   74.00   Seed   7					
DIRECT COSTS   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   30.00   Seed   74.00   34.30   Seed   74.00   34.30   Seed   74.00   34.30   Seed   74.00   Seed   7					
-Seed 74.00 30.00 -Herbicides 28.00 34.30 -Fungicides 0.00* 0.00 -Insecticides 0.00 0.00 -Insecticides 112.17 36.09 -Crop Insurance 8.00 12.00 -Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04	MARKET REVENUE	433.26		254.88	
-Seed 74.00 30.00 -Herbicides 28.00 34.30 -Fungicides 0.00* 0.00 -Insecticides 0.00 0.00 -Insecticides 112.17 36.09 -Crop Insurance 8.00 12.00 -Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04	DIRECT COSTS				
-Herbicides 28.00 34.30 -Fungicides 0.00* 0.00 -Insecticides 0.00 0.00 -Fertilizer 112.17 36.09 -Crop Insurance 8.00 12.00 -Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04		74.00		30.00	
-Fungicides         0.00*         0.00           -Insecticides         0.00         0.00           -Fertilizer         112.17         36.09           -Crop Insurance         8.00         12.00           -Fuel & Lubrication         24.21         23.75           -Repairs         21.24         22.06           -Drying         0.00         0.00           -Miscellaneous         1.75         1.75           -Operating Interest         10.10         6.00           SUM OF LISTED DIRECT COSTS         279.47         165.95           INDIRECT (FIXED) COSTS           -Misc. Overhead         9.70         9.76           -Machinery Depreciation         25.57         25.74           -Machinery Investment         12.97         13.54           -Land Charge         70.00         70.00           SUM OF LISTED INDIRECT COSTS         118.24         119.04	0000				
-Insecticides 0.00 0.00 -Fertilizer 112.17 36.09 -Crop Insurance 8.00 12.00 -Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Misc. Overhead 9.70 9.76 -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04					
-Fertilizer       112.17       36.09         -Crop Insurance       8.00       12.00         -Fuel & Lubrication       24.21       23.75         -Repairs       21.24       22.06         -Drying       0.00       0.00         -Miscellaneous       1.75       1.75         -Operating Interest       10.10       6.00         SUM OF LISTED DIRECT COSTS       279.47       165.95         INDIRECT (FIXED) COSTS         -Misc. Overhead       9.70       9.76         -Machinery Depreciation       25.57       25.74         -Machinery Investment       12.97       13.54         -Land Charge       70.00       70.00         SUM OF LISTED INDIRECT COSTS       118.24       119.04	· · · · · · · · · · · · · · · · · · ·				
-Crop Insurance 8.00 12.00 -Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Misc. Overhead 9.70 9.76 -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04					
-Fuel & Lubrication 24.21 23.75 -Repairs 21.24 22.06 -Drying 0.00 0.00 -Miscellaneous 1.75 1.75 -Operating Interest 10.10 6.00  SUM OF LISTED DIRECT COSTS 279.47 165.95  INDIRECT (FIXED) COSTS -Misc. Overhead 9.70 9.76 -Machinery Depreciation 25.57 25.74 -Machinery Investment 12.97 13.54 -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04					
-Repairs         21.24         22.06           -Drying         0.00         0.00           -Miscellaneous         1.75         1.75           -Operating Interest         10.10         6.00           SUM OF LISTED DIRECT COSTS         279.47         165.95           INDIRECT (FIXED) COSTS         -Misc. Overhead         9.70         9.76           -Machinery Depreciation         25.57         25.74           -Machinery Investment         12.97         13.54           -Land Charge         70.00         70.00           SUM OF LISTED INDIRECT COSTS         118.24         119.04					
-Drying 0.00 0.00 1.75 1.75 1.75 -Operating Interest 10.10 6.00					
-Miscellaneous 1.75 1.75 6.00	•				
-Operating Interest 10.10 6.00					
SUM OF LISTED DIRECT COSTS       279.47       165.95         INDIRECT (FIXED) COSTS       9.70       9.76         -Misc. Overhead       9.70       25.74         -Machinery Depreciation       25.57       25.74         -Machinery Investment       12.97       13.54         -Land Charge       70.00       70.00         SUM OF LISTED INDIRECT COSTS       118.24       119.04					
INDIRECT (FIXED) COSTS  -Misc. Overhead 9.70 9.76  -Machinery Depreciation 25.57 25.74  -Machinery Investment 12.97 13.54  -Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04	3	=======			
-Misc. Overhead       9.70       9.76         -Machinery Depreciation       25.57       25.74         -Machinery Investment       12.97       13.54         -Land Charge       70.00       70.00         SUM OF LISTED INDIRECT COSTS       118.24       119.04	SUM OF LISTED DIRECT COSTS	279.47		165.95	
-Misc. Overhead       9.70       9.76         -Machinery Depreciation       25.57       25.74         -Machinery Investment       12.97       13.54         -Land Charge       70.00       70.00         SUM OF LISTED INDIRECT COSTS       118.24       119.04					
-Machinery Depreciation       25.57       25.74         -Machinery Investment       12.97       13.54         -Land Charge       70.00       70.00         SUM OF LISTED INDIRECT COSTS       118.24       119.04					
-Machinery Investment 12.97 13.54Land Charge 70.00 70.00  SUM OF LISTED INDIRECT COSTS 118.24 119.04					
-Land Charge 70.00 70.00 SUM OF LISTED INDIRECT COSTS 118.24 119.04				_	
SUM OF LISTED INDIRECT COSTS 118.24 119.04	-				
SUM OF LISTED INDIRECT COSTS         118.24          119.04	-Land Charge				
	SLIM OF LISTED INDIRECT COSTS		========		========
SUM OF ALL LISTED COSTS 397.71 284.99	30M OF LISTED INDINECT COSTS	110.24		119.04	
201100	SUM OF ALL LISTED COSTS	397.71		284.99	
RETURN TO LABOR & MANAGEMENT 35.55 (30.11)	RETURN TO LABOR & MANAGEMENT	35.55		(30.11)	
LISTED COSTS PER BUDGET UNIT (lb): (bu):	LISTED COSTS PER BUDGET UNIT	(lb):		(bu):	
-Direct Costs 0.168 9.22		, ,		, ,	
-Indirect Costs 0.071 6.61		0.071		6.61	
-Total Costs 0.240 15.83	-Total Costs	0.240		15.83	

### Canola notes:

<sup>\*</sup>Fungicide for white mold would cost about \$18 plus application.

# **Field Peas**

### **Oats**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	32		80	
Market Price	9.00		2.95	
MARKET REVENUE	288.00		236	
DIDECT COSTS				
DIRECT COSTS	00.00		22.22	
-Seed	60.00		20.00	
-Herbicides	42.50		6.50	
-Fungicides	3.00		0.00	
-Insecticides	0.00		0.00	
-Fertilizer	12.02		91.70	
-Crop Insurance	6.00		12.00	
-Fuel & Lubrication	24.87		29.54	
-Repairs	22.69		23.37	
-Drying	0.00		0.00	
-Miscellaneous	9.75		1.75	
-Operating Interest	6.78		6.93	
Operating interest	=======		======	
SUM OF LISTED DIRECT COSTS	187.61		191.79	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.00		10.93	
-Machinery Depreciation	27.15		28.84	
-Machinery Investment	13.85		15.07	
-Land Charge	70.00		70.00	
	======	========	======	========
SUM OF LISTED INDIRECT COSTS	121.00		124.84	
SUM OF ALL LISTED COSTS	308.61		316.63	
RETURN TO LABOR & MANAGEMENT	(20.61)		(80.63)	
LISTED COSTS PER BUDGET UNIT	(bu):		(bu):	
-Direct Costs	5.86		2.40	
-Indirect Costs	3.78		1.56	
-Total Costs	9.64		3.96	
Total Coolo	5.04	<del></del>	0.00	

### Field Pea notes:

<sup>\*</sup>Foliar insecticide for cutworms and/or pea aphids would cost about \$4 per acre plus application.

# Yellow Mustard Buckwheat

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	800		950	
Market Price	0.55		0.364	
MARKET REVENUE	440.00		345.80	
DIRECT COSTS				
-Seed	13.72		25.00	
-Herbicides	19.40		14.30	
-Fungicides	0.00		0.00	
-Insecticides	6.00*		0.00	
-Fertilizer	37.49		28.66	
-Crop Insurance	0.00**		9.50*	
-Fuel & Lubrication	22.77		23.16	
-Repairs	21.11		21.25	
-Drying	0.00		0.00	
-Miscellaneous	1.75		1.75	
-Operating Interest	4.58		4.64	
5	=======	==========	=======	==========
SUM OF LISTED DIRECT COSTS	126.82		128.26	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	9.59		9.71	
-Machinery Depreciation	24.61		24.92	
-Machinery Investment	13.17		13.29	
-Land Charge	70.00		70.00	
Land Onlings			======	
SUM OF LISTED INDIRECT COSTS	117.37		117.92	
COM OF EIGHED HADINEON COOLS	117.07		117.02	
SUM OF ALL LISTED COSTS	244.19		246.18	
RETURN TO LABOR & MANAGEMENT	195.81		99.62	
LISTED COSTS PER BUDGET UNIT	(lb):		(lb):	
-Direct Costs	0.159		0.135	
-Indirect Costs	0.147		0.124	
-Total Costs	0.305		0.259	
13141 00010	0.000	<del></del>	0.200	

### Yellow Mustard notes:

### Buckwheat notes:

<sup>\*</sup>Insecticide seed treatment for flea beetles.

<sup>\*\*</sup>Crop insurance is not available in this region.

<sup>\*</sup>Crop insurance is not available in most counties of the region.

# Millet Winter Wheat

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1700		59*	
Market Price	0.19		7.07	
MARKET INCOME	323.00		417.13	
DIRECT COSTS				
-Seed	15.00		16.20	
-Herbicides	4.10		34.00	
-Fungicides	0.00		10.00	
-Insecticides	0.00		0.00	
-Fertilizer	43.69		135.09	
-Crop Insurance	0.00		7.50	
-Fuel & Lubrication	25.59		21.87	
-Repairs	22.04		19.13	
-Drying	0.00		0.00	
-Miscellaneous	1.75		8.75	
-Operating Interest	4.21		9.47	
operating interest	=======		=======	
SUM OF LISTED DIRECT COSTS	116.38		262.01	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	10.04		9.39	
-Machinery Depreciation	26.16	<del></del>	22.74	
-Machinery Investment	13.86	<del></del>	11.17	
-Machinery investment -Land Charge	70.00		70.00	
-Land Charge	70.00			
SUM OF LISTED INDIRECT COSTS	120.06	========	====== 113.30	========
30M OF LISTED INDINECT COSTS	120.00		113.30	
SUM OF ALL LISTED COSTS	236.44		375.31	
RETURN TO LABOR & MANAGEMENT	86.56		41.82	
LISTED COSTS PER BUDGET UNIT	(lb):		(bu):	
-Direct Costs	0.068		4.44	
-Indirect Costs	0.071		1.92	
-Total Costs	0.139		6.36	
<del></del>	220			

### Winter Wheat notes:

<sup>\*</sup>Yield is per harvested acre. There is some risk of acreage abandonment in spring.

# Rye

	Per Acre	Your Figures
Market Yield	47	
Market Price	7.15	
MARKET REVENUE	336.05	
DIRECT COSTS		
-Seed	13.20	
-Herbicides	10.00	
-Fungicides	0.00	
-Insecticides	0.00	
-Fertilizer	103.57	
-Crop Insurance	14.00	
-Fuel & Lubrication	20.94	
-Repairs	18.48	
-Drying	0.00	
-Miscellaneous	8.75	
-Operating Interest	7.09	
operaning interest	=======	
SUM OF LISTED DIRECT COSTS	196.03	
INDIRECT (FIXED) COSTS		
-Misc. Overhead	9.20	
-Machinery Depreciation	22.09	
-Machinery Investment	11.00	
-Land Charge	70.00	
· ·	=======	=========
SUM OF LISTED INDIRECT COSTS	112.29	
SUM OF ALL LISTED COSTS	308.32	
RETURN TO LABOR & MANAGEMENT	27.73	
LISTED COSTS PER BUDGET UNIT	(bu):	
-Direct Costs	4.17	
-Indirect Costs	2.39	
-Total Costs	6.56	

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