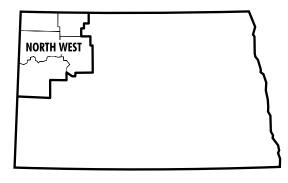


January 2021

## Projected 2021 Crop Budgets



## North West North Dakota

Ron Haugen, Farm Management Specialist

This region consists of five counties: Burke, Divide, McKenzie, Mountrail and Williams.

The 2021 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 2021 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.

The budgets for the South West, North West, South Central and North Central regions typically represent production systems where soil disturbance only occurs at seeding.

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 2013-2019, 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 - .39/lb Phosphorus - .44/lb Potassium - .27/lb

#### **Seed Prices:**

Spring Wheat	11.50/bu
Durum	13.00/bu
Barley	9.50/bu
Corn GM	2.69/thou.kern.
Soybean GM	.34/thou.kern.
Oil Sunflower	1.55/thou.kern.
Canola	11.30/lb
Flax	18.50/bu
Field Peas	14.00/bu
Oats	6.25/bu
Lentils	.30/lb
Mustard	2.10/lb
Safflower	.45/lb
Buckwheat	.40/lb
Millet	.45/lb
Large Chickpeas	.40/lb
Winter Wheat	9.00/bu
Rye	8.00/bu

#### Fuel prices:

Diesel 2.00/gal Gas 2.10/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 4.5% 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, \$4.00 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	39		35	
Market Price	5.57		6.27*	
			-	
MARKET REVENUE	217.23		219.45	
DIRECT COSTS				
-Seed	17.25		22.75	
-Herbicides	25.80		25.80	
-Fungicides**	5.00		5.00	
-Insecticides***	0.00		0.00	
-Fertilizer	50.18		43.83	
-Crop Insurance	5.50		6.00	
-Fuel & Lubrication	9.15		8.98	
-Repairs	16.36		16.24	
-Drying	0.00		0.00	
-Miscellaneous	8.25		8.25	
-Operating Interest	3.09		3.08	
-				
	=======	=========	=======	=========
SUM OF LISTED DIRECT COSTS		========		========
SUM OF LISTED DIRECT COSTS	140.58		139.93	
INDIRECT (FIXED) COSTS	140.58		139.93	
INDIRECT (FIXED) COSTS -Misc. Overhead	140.58 7.52		139.93 7.44	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation	7.52 18.51		139.93 7.44 18.29	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment	7.52 18.51 10.37		139.93 7.44 18.29 10.25	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation	7.52 18.51 10.37 36.00		7.44 18.29 10.25 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge	7.52 18.51 10.37 36.00		7.44 18.29 10.25 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment	7.52 18.51 10.37 36.00		7.44 18.29 10.25 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS	7.52 18.51 10.37 36.00 ======= 72.40		7.44 18.29 10.25 36.00 ====== 71.98	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge	7.52 18.51 10.37 36.00		7.44 18.29 10.25 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS	7.52 18.51 10.37 36.00 ====== 72.40 212.98		7.44 18.29 10.25 36.00 ====== 71.98	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS	7.52 18.51 10.37 36.00 ======= 72.40		7.44 18.29 10.25 36.00 ====== 71.98	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT	7.52 18.51 10.37 36.00 ======= 72.40 212.98 4.25		7.44 18.29 10.25 36.00 ====== 71.98 211.91 7.54	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT	7.52 18.51 10.37 36.00 ======= 72.40 212.98 4.25 (bu):		7.44 18.29 10.25 36.00 ===== 71.98 211.91 7.54 (bu):	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT -Direct Costs	7.52 18.51 10.37 36.00 ====== 72.40 212.98 4.25 (bu): 3.60		7.44 18.29 10.25 36.00 ===== 71.98 211.91 7.54 (bu): 4.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT	7.52 18.51 10.37 36.00 ======= 72.40 212.98 4.25 (bu):		7.44 18.29 10.25 36.00 ===== 71.98 211.91 7.54 (bu):	

#### Wheat notes:

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

<sup>\*\*</sup>Includes seed treatment and early season foliar fungicide. Although late season fungicides are often not common in this region, prothioconazole, metconazole, or pydiflumetofen containing products are recommended for fusarium head blight (scab) control when conditions are favorable for infection.

<sup>\*\*\*</sup>Cereal grain aphid insecticide would cost about \$4. Wheat midge insecticide would cost about \$6.

## Malting Barley Corn Grain

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	60		95	
Market Price	5.08*		3.80	
MARKET REVENUE	304.80		361.00	
DIRECT COSTS				
-Seed	12.83		61.87*	
-Herbicides	24.30		21.00	
-Fungicides	5.00**		0.00	
-Insecticides	0.00		0.00	
-Fertilizer	48.18		66.66	
-Crop Insurance	5.50		7.50**	
-Fuel & Lubrication	10.08		12.89	
-Repairs	16.96		20.29	
-Drying	0.00		17.10	
-Miscellaneous	8.25		8.25	
-Operating Interest	2.95		4.85	
- Pro 100 - 200 -	=======		=======	
SUM OF LISTED DIRECT COSTS	404.05			
30W OF LISTED DIRECT COSTS	134.05		220.41	
30W OF LISTED DIRECT COSTS	134.05		220.41	
	134.05		220.41	
INDIRECT (FIXED) COSTS -Misc. Overhead	134.05 7.92		220.41	
INDIRECT (FIXED) COSTS -Misc. Overhead	7.92		10.01	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation	7.92 19.64		10.01 30.98	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment	7.92 19.64 10.96		10.01 30.98 16.92	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation	7.92 19.64		10.01 30.98	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge	7.92 19.64 10.96 36.00		10.01 30.98 16.92 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment	7.92 19.64 10.96 36.00		10.01 30.98 16.92 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge SUM OF LISTED INDIRECT COSTS	7.92 19.64 10.96 36.00 ===== 74.52		10.01 30.98 16.92 36.00 ====== 93.91	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge	7.92 19.64 10.96 36.00		10.01 30.98 16.92 36.00	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge SUM OF LISTED INDIRECT COSTS	7.92 19.64 10.96 36.00 ===== 74.52		10.01 30.98 16.92 36.00 ====== 93.91	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS	7.92 19.64 10.96 36.00 ====== 74.52 208.57		10.01 30.98 16.92 36.00 ====== 93.91	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT	7.92 19.64 10.96 36.00 ===== 74.52 208.57 96.23		10.01 30.98 16.92 36.00 ====== 93.91 314.32 46.68	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT	7.92 19.64 10.96 36.00 ====== 74.52 208.57 96.23 (bu):		10.01 30.98 16.92 36.00 ====== 93.91 314.32 46.68 (bu):	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT -Direct Costs	7.92 19.64 10.96 36.00 ====== 74.52 208.57 96.23 (bu): 2.23		10.01 30.98 16.92 36.00 ====== 93.91 314.32 46.68 (bu): 2.32	
INDIRECT (FIXED) COSTS -Misc. Overhead -Machinery Depreciation -Machinery Investment -Land Charge  SUM OF LISTED INDIRECT COSTS  SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT	7.92 19.64 10.96 36.00 ====== 74.52 208.57 96.23 (bu):		10.01 30.98 16.92 36.00 ====== 93.91 314.32 46.68 (bu):	

#### Barley notes:

#### Corn notes:

<sup>\*</sup>There is risk of not making malting barley quality. Use \$2.95 for feed barley.

<sup>\*\*</sup>Includes seed treatment and early season foliar fungicide. Although late season fungicides are often not common in this region, prothioconazole or metconazole containing products are recommended for fusarium head blight (scab) control when conditions are favorable for infection.

<sup>\*</sup>GM corn with herbicide tolerance and above ground insect control traits.

<sup>\*\*</sup>Crop insurance is only available by written agreement in most counties of region.

# Soybeans Oil Sunflower

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	26		1550	
Market Price	10.10		0.196	
MARKET REVENUE	262.60		303.80	
DIRECT COSTS				
-Seed	65.80*		32.55	
-Herbicides	18.00		34.00	
-Fungicides	0.00		0.00*	
-Insecticides	0.00**		5.00**	
-Fertilizer	10.15		38.10	
-Crop Insurance	6.00		10.00	
-Fuel & Lubrication	9.04		9.93	
-Repairs	16.65		17.59	
-Drying	0.00		4.56	
-Miscellaneous	5.00		16.75	
-Operating Interest	2.94		3.79	
	======	=========	======	
SUM OF LISTED DIRECT COSTS	133.58		172.27	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	7.59		8.19	
-Machinery Depreciation	19.57		21.50	
-Machinery Investment	11.04		12.27	
-Land Charge	36.00		36.00	
SUM OF LISTED INDIRECT COSTS	======= 74.20	=======	====== 77.96	
SUM OF ALL LISTED COSTS	207.78		250.23	
RETURN TO LABOR & MANAGEMENT	54.82		53.57	
LISTED COSTS PER BUDGET UNIT	(bu):		(lb):	
-Direct Costs	5.14		0.111	
-Indirect Costs	2.85		0.050	
-Total Costs	7.99		0.161	
	_			

#### Soybean notes:

#### Oil Sunflower notes:

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

<sup>\*\*</sup>Crop insurance is only available in McKenzie county by written agreement.

<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." Foliar applied insecticide for cutworms would cost about \$5 per acre plus application (usually tank mixed with herbicide).

## Canola

## Flax

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1850		21	
Market Price	0.191		10.47	
MARKET REVENUE	353.35	·	219.87	
DIRECT COSTS				
-Seed	56.50	·	14.80	
-Herbicides	23.10		29.20	
-Fungicides	0.00		0.00	
-Insecticides	0.00		0.00	
-Fertilizer	77.12		27.47	
-Crop Insurance	10.00		12.00	
-Fuel & Lubrication	9.95		9.64	
-Repairs	17.72		18.43	
-Drying	0.00		0.00	
-Miscellaneous	8.26		1.50	
-Operating Interest	4.56		2.54	
5 to 200	=======		=======	
SUM OF LISTED DIRECT COSTS	207.21		115.58	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	7.83		7.85	
-Machinery Depreciation	21.00		21.09	
-Machinery Investment	11.55		12.11	
-Land Charge	36.00		36.00	
-Land Charge	36.00		30.00	
SUM OF LISTED INDIRECT COSTS	76.38		77.05	
CLIM OF ALL LICTED COCTO	000 50		100.00	
SUM OF ALL LISTED COSTS	283.59		192.63	
RETURN TO LABOR & MANAGEMENT	69.76		27.24	
LISTED COSTS PER BUDGET UNIT	(lb):		(bu):	
-Direct Costs	0.112		5.50	
-Indirect Costs	0.041		3.67	
-Total Costs	0.153	<u> </u>	9.17	

## **Field Peas**

## **Oats**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	33		71	
Market Price	6.48		2.62	
MARKET REVENUE	213.84		186.02	
DIRECT COSTS				
-Seed	42.00		12.50	
-Herbicides	35.90		10.60	
-Fungicides	1.50		0.00	
-Insecticides	6.00*		0.00	
-Fertilizer	11.43		48.84	
-Crop Insurance	7.50		12.00	
-Fuel & Lubrication	7.50 10.17		12.00	
-Repairs	19.17		18.86	
•				
-Drying	0.00		0.00	
-Miscellaneous	9.50		8.25	
-Operating Interest	3.22		2.76	
SUM OF LISTED DIRECT COSTS	146.23		125.56	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	8.07		8.69	
-Machinery Depreciation	22.39		22.55	
-Machinery Investment	12.43		13.16	
•	36.00		36.00	
-Land Charge	36.00		36.00	
SUM OF LISTED INDIRECT COSTS	78.89		80.40	
SUM OF ALL LISTED COSTS	225.12	-	205.96	
RETURN TO LABOR & MANAGEMENT	(11.28)		(19.94)	
LISTED COSTS PER BUDGET UNIT	(bu):		(bu):	
-Direct Costs	4.43		1.77	
-Indirect Costs	2.39		1.13	
-Total Costs	6.82		2.90	

## Field Pea notes:

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

## **Lentils Yellow Mustard**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1230		850	
Market Price	0.18		0.27	
MARKET REVENUE	221.40		229.50	
DIRECT COSTS				
-Seed	21.00		21.00	
-Herbicides	35.50*		20.20	
-Fungicides	16.00**		0.00	
-Insecticides	0.00***		0.00	
-Fertilizer	7.10		25.89	
-Crop Insurance	9.00		13.00*	
-Fuel & Lubrication	11.31		9.53	
-Repairs	21.61		17.97	
-Drying	0.00		0.00	
-Miscellaneous	9.50		8.25	
-Operating Interest	2.95		2.61	
2 to 2 to 2	=======		=======	
SUM OF LISTED DIRECT COSTS	133.97		118.45	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	8.41		7.86	
-Machinery Depreciation	25.52		20.14	
-Machinery Investment	13.99		12.32	
-Land Charge	36.00		36.00	
Land Onlings	=======		======	
SUM OF LISTED INDIRECT COSTS	83.92		76.32	
30M 31 2/3125 M2M 201 33313	00.02		70.02	
SUM OF ALL LISTED COSTS	217.89		194.77	
RETURN TO LABOR & MANAGEMENT	3.51		34.73	
LISTED COSTS PER BUDGET UNIT	(lb):		(lb):	
-Direct Costs	0.109		0.139	
-Indirect Costs	0.068		0.090	·
-Total Costs	0.177		0.229	

#### Lentil notes:

#### Yellow Mustard notes:

<sup>\*</sup>Includes pre-harvest dessicant.

<sup>\*\*</sup>Fungicide treatment for ascochyta/anthracnose.

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

<sup>\*\*</sup>Crop insurance is only available in McKenzie county by written agreement.

## Safflower

## **Buckwheat**

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1050		850	
Market Price	0.20		0.221	
Market Free	0.20		0.22	
MARKET REVENUE	210.00		187.85	
DIRECT COSTS				
-Seed	8.10		20.00	
-Herbicides	22.10		18.00	
-Fungicides	18.00*		0.00	
-Insecticides	0.00		0.00	·
-Fertilizer	23.60		15.30	
-Crop Insurance	17.00		6.50*	
-Fuel & Lubrication	8.58		9.18	
-Repairs	16.69		17.22	
-Drying	0.00		0.00	
-Miscellaneous	8.25		1.50	
-Operating Interest	2.75		1.97	
	=======	=========	=======	========
SUM OF LISTED DIRECT COSTS	125.07		89.67	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	7.39		7.66	
-Machinery Depreciation	18.25		19.50	
-Machinery Investment	10.35		11.54	
-Land Charge	36.00		36.00	
9				
SUM OF LISTED INDIRECT COSTS	=======	=========	======	=========
	71.99		====== 74.70	
SUM OF ALL LISTED COSTS				
	71.99		74.70	
	71.99		74.70	
SUM OF ALL LISTED COSTS	71.99 197.06		74.70 164.37	
SUM OF ALL LISTED COSTS	71.99 197.06		74.70 164.37	
SUM OF ALL LISTED COSTS RETURN TO LABOR & MANAGEMENT	71.99 197.06 12.94		74.70 164.37 23.48	
SUM OF ALL LISTED COSTS RETURN TO LABOR & MANAGEMENT LISTED COSTS PER BUDGET UNIT	71.99 197.06 12.94 (lb):		74.70 164.37 23.48 (lb):	
SUM OF ALL LISTED COSTS  RETURN TO LABOR & MANAGEMENT  LISTED COSTS PER BUDGET UNIT  -Direct Costs	71.99 197.06 12.94 (lb): 0.119		74.70 164.37 23.48 (lb): 0.105	

## Safflower notes:

## Buckwheat notes:

<sup>\*</sup>Fungicide for alternaria leaf spot.

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

## Millet Large Chickpea

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	1300		1400	
Market Price	0.14		0.20	
MARKET REVENUE	182.00		280.00	
DIRECT COSTS				
-Seed	11.25		56.00	
-Herbicides	9.60		36.30	
-Fungicides	0.00		36.00*	
-Insecticides	0.00		0.00	
-Fertilizer	17.99		16.81	
-Crop Insurance	0.00		9.50	
-Fuel & Lubrication	9.77		11.73	
-Repairs	17.56		22.53	
-Drying	0.00		0.00	
-Miscellaneous	8.25		8.50	
-Operating Interest	1.67		4.44	
	=======	========	=======	========
SUM OF LISTED DIRECT COSTS	76.09		201.81	
INDIRECT (FIXED) COSTS				
-Misc. Overhead	7.84		8.62	
-Machinery Depreciation	20.12		26.33	
-Machinery Investment	11.89		14.57	
-Land Charge	36.00		36.00	
Earla Ghargo	=======		======	
SUM OF LISTED INDIRECT COSTS	75.85		85.52	
SUM OF ALL LISTED COSTS	151.94		287.33	
RETURN TO LABOR & MANAGEMENT	30.06		(7.33)	
LISTED COSTS PER BUDGET UNIT	(lb):		(lb):	
-Direct Costs	0.059		0.144	
-Indirect Costs	0.058		0.061	
-Total Costs	0.117		0.205	

## Large Chickpea notes:

<sup>\*</sup>Two fungicide treatments for ascochyta blight. Additional treatments may be necessary.

## Winter Wheat Rye

	Per Acre	Your Figures	Per Acre	Your Figures
Market Yield	42*		40	
Market Price	4.74	-	3.79	
			00	
MARKET REVENUE	199.08		151.60	
DIRECT COSTS	0.00		0.00	
-Seed	9.00		9.60	
-Herbicides	23.00		6.50	
-Fungicides	9.00		0.00	
-Insecticides	0.00		0.00	
-Fertilizer	54.94		51.77	
-Crop Insurance	5.50		8.00	·
-Fuel & Lubrication	9.13		8.86	
-Repairs	16.46		15.53	
-Drying	0.00		0.00	
-Miscellaneous	8.25		8.25	
-Operating Interest	3.04		2.44	
	======	=========	=======	=========
SUM OF LISTED DIRECT COSTS	138.32		110.95	·
INDIDECT (FIVED) COSTS				
INDIRECT (FIXED) COSTS -Misc. Overhead	7.48		7.38	
-Machinery Depreciation	18.41		17.86	
-Machinery Investment	10.14		9.87	
-Land Charge	36.00 =====		36.00 =====	
SUM OF LISTED INDIRECT COSTS	72.03		71.11	
SUM OF ALL LISTED COSTS	210.35		182.06	
RETURN TO LABOR & MANAGEMENT	(11.27)		(30.46)	
LISTED COSTS PER BUDGET UNIT	(bu):		(bu):	
-Direct Costs	3.29		(bu). 2.77	
-Indirect Costs	1.72		1.78	
-Total Costs	5.01		4.55	
- 10tal 005t5	5.01		4.55	

## Winter Wheat notes:

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

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