

2003 WESTERN COLORADO ONION ENTERPRISE BUDGET

ENTERPRISE: Onions YEAR: 2003

<<OPERATING RECEIPTS>>

SALE ITEM	UNITS	PRICE /UNIT	QNTY. /ACRE	VALUE /ACRE	MONTH
Onions	cwt.	\$14.90	410	\$6,109.00	October
TOTAL OPERATING RECEIPTS				\$6,109.00	

<<DIRECT COSTS>>

CASH OPERATING EXPENSES

	UNITS	COST /UNIT	UNITS PER ACRE	COST /ACRE	MONTH
Crop Insurance	acre	\$110.00	1	\$110.00	
Plow	acre	\$20.00	1	\$20.00	March
Roller Harrow	acre	\$7.00	1	\$7.00	March
Dry Fertilizer 11-52-0	lbs	\$0.16	250	\$40.00	March
Fertilizer Application	acre	\$6.00	1	\$6.00	March
Tandem Disc	acre	\$10.00	1	\$10.00	March
Roller Harrow	acre	\$7.00	1	\$7.00	March
Land Plane	acre	\$8.00	1	\$8.00	March
Herbicide (Dacthal)	lbs	\$13.80	6.5	\$89.70	March
Herbicide Application	acre	\$7.00	1	\$7.00	March
Grass Control (Select) Applied	acre	\$22.26	1	\$22.26	March
Roller Harrow	acre	\$7.00	1	\$7.00	March
Crease	acre	\$6.00	1	\$6.00	March
Plant	acre	\$10.00	1	\$10.00	March
Seed	lbs	\$12.65	6	\$75.90	March
Herbicide (Roundup) Applied	acre	\$13.25	1	\$13.25	April
Herbicide (Buctril/Goal) Applied	acre	\$22.00	1	\$22.00	May
Insecticide (Lannate/Warrior)	acre	\$31.56	5	\$157.80	June-Aug.
Cultivate (2 times)	acre	\$8.00	2	\$16.00	June-July
Irrigation Water	acre	\$30.00	1	\$30.00	April-Sept.
Irrigation Expense	acre	\$25.00	1	\$25.00	April-Sept.
Fertilizer (32-0-0)	gal	\$1.20	40	\$48.00	June
Fertilizer Application	acre	\$6.00	1	\$6.00	June
Fertilizer (32-0-0)	gal	\$1.20	20	\$24.00	July
Fertilizer Application	acre	\$6.00	1	\$6.00	July
Seasonal Weeding (2 times)	acre	\$100.00	2	\$200.00	July-Aug.
Fungicide (ManixII/Kocide) 7 x	acre	\$25.11	7	\$175.77	July-Sept.
Harvest/Storage	cwt	\$3.00	410	\$1,230.00	October
Interest on Operating	dol	\$0.07	\$574.84	\$40.24	
TOTAL CASH OPERATING EXPENSES				\$2,419.92	

PROPERTY AND OWNERSHIP COSTS

	UNITS	COST /UNIT	UNITS /ACRE	COST /ACRE
Machinery Ownership		\$59.24	1	\$73.36
Real Estate Taxes		\$15.00	1	\$15.00
General Farm Overhead		\$25.00	1	\$25.00
Other Ownership				\$0.00
TOTAL PROPERTY & OWNERSHIP COSTS				\$88.36

TOTAL DIRECT COSTS

\$2,508.28

NET RECEIPTS

\$3,600.72

ONION ENTERPRISE ASSUMPTIONS\

DETAILS OF RECEIPTS

Yield: Average yield for 2003 was estimated at 410 hundredweight per acre (Colorado Ag Statistics). Yields in Western Colorado typically range from 400 to 1,000 cwt. per acre (less 20-25% for shrinkage). 600-700 cwt. is common.

Price: Price typically ranges from \$8.00 to \$20.00 per hundredweight. \$14.90 per cwt. was an estimate of average price in 2003. Most years growers can budget \$8-\$12 per cwt.

DETAILS OF EXPENSES

Crop Insurance: Cost per acre for crop insurance varies by onion variety, type of insurance, level of protection, and average yield. The cost per acre varies from \$0.00 to over \$200.00 per acre. \$110.00 per acre is a common cost cost for crop insurance on Onions in Western Colorado.

Fertilization: Amounts and types of fertilizers varies substantially depending on soil conditions. Most producers apply nitrogen and phosphorus.

Item	Amt/acre	Unit	Cost/unit	Total cost	
11-52-0	250	lbs	\$0.16	\$40.00	
32-0-0	60	gal	\$1.20	\$72.00	
Other				\$0.00	
Total				\$112.00	

Field Operations: Growing onions requires several field operations. In this budget, 11 operations are included to represent typical cultural practices.

Operation	Times Over
MB Plow	1
Tandem Disk	1
Roller Harrow	3
Land Plane	2
Creasor	1
Planter	1
Row Cultivator	2

Herbicides: Herbicides are useful in controlling weeds. The following costs include application.

Item	Amt/Acre	Unit	Cost/Unit	Total Cost	
Dacthal 6.5 lbs.	1	acre	\$96.70	\$96.70	
Select 1/2 pt.	1	acre	\$22.26	\$22.26	
Roundup 1 quart	1	acre	\$13.25	\$13.25	
Goal 1 pt./Buctril 1 pt.	1	acre	\$22.00	\$22.00	
Total				\$154.21	

Insecticides: Onions are sprayed for Thrips.

Item	Amt/acre	Unit	Cost/unit	Total cost	
Lannate	5	qt	\$15.63	\$78.15	
Warrior T	19	oz	\$2.35	\$44.65	
Applications	5	acre	\$7.00	\$35.00	
Total				\$157.80	

Fungicides: Manex and Kocide are preventative fungicides. These costs could be substantially higher if fungus problems are detected in a field.

Item	Amt/acre	Unit	Cost/unit	Total cost
Manex II	42	pts	\$2.09	\$87.78
Kocide 4.5LF	9.33	pts	\$3.75	\$34.99
Applications	7	acre	\$7.57	\$53.00
Total				\$175.77