

Onion Budget 2011

Utah State University, Cooperative Extension

Receipts	Unit	# of Units	Price/cost per unit	Value/cost per acre
Super Collossals*	50 lb sack	195	\$8.50	\$1,657.50
Collossals	50 lb sack	123	\$6.50	\$799.50
Jumbos	50 lb sack	816	\$5.50	\$4,488.00
Medium	50 lb sack	622	\$5.50	\$3,421.00
Residue	50 lb sack	40	\$0.00	\$0.00
Total Receipts				\$10,366.00
Operating Expenses				
Land preparation				
Plowing	acre	1	\$23.25	\$23.25
Discing	acre	2	\$13.50	\$27.00
Land plane	acre	2	\$13.57	\$27.14
Bedding	acre	1	\$10.00	\$10.00
Bed Fitting	acre	1	\$10.00	\$10.00
Planting	acre	1	\$13.50	\$13.50
Seed				
Raw seed	thousands	150	\$1.90	\$285.00
Pelleting	thousands	150	\$0.25	\$37.50
Additional seed treatments *	thousands	150	\$0.30	\$45.00
Fertilization				
Nitrogen	units	250	\$0.80	\$200.00
Phosphate	units	100	\$0.82	\$82.00
Potash	units	100	\$0.60	\$60.00
Micro Nutrients	units	5	\$3.50	\$17.50
Custom application	acre	2	\$6.00	\$12.00
Herbicides				
Roundup 4L	pint	5	\$2.88	\$14.38
Goaltender 4sc	pint	1	\$11.00	\$11.00
Buctril 4ec	pint	0.33	\$5.88	\$1.94
Prowl H2O	pint	2	\$5.31	\$10.63
Select Max 0.97e	pint	1	\$12.75	\$12.75
Custom application	spray	5	\$6.00	\$30.00
Pesticides				
Permethrin (Ammo, Warrior, Ambush)	pints	1.13	\$13.38	\$15.11
Lannate	pints	3	\$9.81	\$29.44
Success	pints	0.38	\$8.00	\$3.00
Radiant	pints	0.38	\$92.50	\$35.15
Movento	pints	0.625	\$112.50	\$70.31
Pencap	pints	2	\$5.13	\$10.25
Custom application	spray	6	\$6.00	\$36.00
Fungicide				
Pristine	pound	1	\$48.00	\$48.00
Cultivation				
1st cultivating	acre	1	\$12.29	\$12.29
2nd and 3rd cultivating	acre	2	\$12.29	\$24.58
Hand weeding	hours	30	\$10.00	\$300.00

Irrigation (siphon)	irrigations	12		
Labor	hours	2.40	\$10.00	\$24.00
Water assessment	share	1	\$15.00	\$15.00
Repairs/maintenance	acre	1	\$1.00	\$1.00
Pumping	acre inch	-	\$0.00	\$0.00
Harvesting				
Undercutting	acre	1	\$16.73	\$16.73
Topping	acre	1	\$36.75	\$36.75
Loading	acre	1	\$68.38	\$68.38
Trucking	50 lb sack	1,756	\$0.03	\$52.68
Grading and packing	50 lb sack	1,756	\$2.00	\$3,512.00
Storage	50 lb sack	1,756	\$0.50	\$878.00
Sales commission	receipts	12%	\$10,366.00	\$1,243.92
Crop insurance (75% Yield, 100% Price)	acre	1	\$242.00	\$242.00
Interest on operating capital			7.00%	\$35.58
Total Operating Expenses				\$7,640.74

Ownership Expenses (excludes cost of land)

Farm insurance, business, and office	acre	1	\$18.00	\$18.00
Machinery ownership costs	acre	1	\$175.05	\$175.05
Irrigation ownership costs	acre	1	\$10.00	\$10.00
Total Ownership Expenses				\$203.05

Total Expenses

\$8,440.24

Income Above Operating Expenses

\$2,725.26

Returns to Land, Labor and Management

\$1,925.76

Breakeven Table - Dry Onions

Returns to Land, Labor and Management

Yield (sacks/Ac)	Selling Price					
	-25%	-10%	Base	10%	25%	
	\$4.43	\$5.31	\$5.90	\$6.49	\$7.38	
-25%	1,317	-\$2,609	-\$1,443	-\$666	\$112	\$1,278
-10%	1,580	-\$1,443	-\$44	\$889	\$1,822	\$3,222
Base	1,756	-\$666	\$889	\$1,926	\$2,962	\$4,517
10%	1,932	\$112	\$1,822	\$2,962	\$4,103	\$5,813
25%	2,195	\$1,278	\$3,222	\$4,517	\$5,813	\$7,757

Assumptions

1. Onion prices are from Idaho and Malheur County, Oregon for Yellow Spanish Hybrid 50 lb sack, spring 2011.
2. Onion yields were based on the meand yield value for 2011 variety trials at USU.
3. Onions planted in late March and harvested in September.
4. Interest computed on land preparation and planting costs for 6 months and fertilization/herbicide/irrigation/cultivation costs for 3 months.
5. Machinery operating costs are based on custom operator rates for 2010.
6. Fungicides would be in tanks mixed with the insecticides
7. Onion equipment ownership costs are for harvesting and allocated to onion acreage only.
8. Seed treatments can include insecticidal, fungicidal and micro nutrients. Prices range from additional 13 cents to 50 cents.

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