

| Cost of Production | | Unit | Qty/acre | Cost/Unit | Total/acre |
|---|---|----------|----------|-----------|-----------------|
| Variable Costs | | | | | |
| Pre-Harvest | | | | | |
| Land preparation | Soil sampling (nutrient analysis) | Acre | 1.00 | 15.00 | 15.00 |
| | Lime/Gypsum | ton | 1.00 | 57.50 | 57.50 |
| | 13-13-13 | lb | 300.00 | 0.34 | 102.00 |
| | Labor | Hours | 2.00 | 19.28 | 38.56 |
| Planting | Seeds Peas | lb | 30.00 | 4.00 | 120.00 |
| Herbicide | S-metolachlor | pt | 2.00 | 7.56 | 15.13 |
| | Sethoxydim | oz | 24.00 | 0.98 | 23.58 |
| | Imazethapyr Ammonium Salt | oz | 4.00 | 0.38 | 1.54 |
| Fungicide | Azoxystrobin | oz | 23.00 | 0.80 | 18.36 |
| | Penthiopyrad | oz | 44.00 | 1.45 | 63.59 |
| Insecticide | Spinetoram | oz | 16.00 | 6.64 | 106.25 |
| | Zeta-cypermetherin | oz | 16.00 | 1.15 | 18.44 |
| | Methomyl | lb | 2.00 | 0.39 | 0.78 |
| | Carbaryl | qt | 2.00 | 18.25 | 36.50 |
| Herb.; Fung.; Insect. | Labor | Hours | 12.00 | 19.28 | 231.36 |
| Irrigation system | Running irrigation system Sprinkler | \$ | 1.00 | 96.46 | 96.46 |
| | Labor | Hours | 8.00 | 19.28 | 154.24 |
| Harvest | | | | | |
| | ½ Bushel Peas | Each | 125.00 | 1.55 | 193.75 |
| | Labor | Hour | 60.00 | 19.28 | 1,156.80 |
| Overall | | | | | |
| Machinery | | | | | |
| Labor | Disk + Incorporate 10 with 2WD 75 hp with | hrs/acre | 0.21 | 19.28 | 4.14 |
| | Spray (Broadcast) 27 with 2WD 75 hp with | hrs/acre | 0.07 | 19.28 | 1.26 |
| Fuel | Disk + Incorporate 10 with 2WD 75 hp with | gal/acre | 0.42 | 3.09 | 1.28 |
| | Spray (Broadcast) 27 with 2WD 75 hp with | gal/acre | 0.13 | 3.09 | 0.39 |
| R&M | Disk + Incorporate 10 with 2WD 75 hp with | \$/acre | 0.05 | 1.16 | 0.06 |
| | Spray (Broadcast) 27 with 2WD 75 hp with | \$/acre | 0.01 | 0.24 | 0.00 |
| | Irrigation System R&M Sprinkler | \$/acre | 1.00 | 43.50 | 43.50 |
| | Labor | Hour | 1.00 | 19.28 | 19.28 |
| Cleanup field | Labor | Hour | 1.00 | 19.28 | 19.28 |
| Interest on operating expenses | Interest rate | % | 2,644.74 | 0.09 | 462.83 |
| | Crop Insurance - Fruit and Vegetable* | \$ | 1.00 | 125.00 | 125.00 |
| Total Variable Costs | | | | | 3,107.57 |
| *Based on USDA FSA NAP Insurance administrative fee of \$325/crop assuming 2.6 acres of production. | | | | | |
| Fixed Costs | | | | | |
| | Irrigation depreciation | System | 5.00 | 41.43 | 207.14 |
| | Disk + Incorporate 10 with 2WD 75 hp with | \$/acre | 0.05 | 2.95 | 0.15 |
| | Spray (Broadcast) 27 with 2WD 75 hp with | \$/acre | 0.01 | 0.76 | 0.01 |
| | Misc. Overhead | % | 3,107.57 | 0.07 | 217.53 |
| | Land ownership | - | - | - | - |
| Total Fixed Costs | | | | | 424.83 |
| TOTAL COSTS | | | | | 3,532.40 |
| Total receipts | Peas | lb | 3,000.00 | 1.70 | 5,100.00 |
| Return to land and capital | | | | | 1,567.60 |
| Initial Capital Investment | Sprinkler system (90 ft) | Kit | 3.00 | 290.00 | 870.00 |

Return to land and capital

| PRICE | YIELD | | | | | |
|--------|------------------|------------|------------|------------|------------|------|
| | Price/acre/yield | -20% | -10% | Expected | 10% | 20% |
| | | 2400 | 2700 | 3,000.00 | 3300 | 3600 |
| \$1.36 | -\$268.40 | \$139.60 | \$547.60 | \$955.60 | \$1,363.60 | |
| \$1.53 | \$139.60 | \$598.60 | \$1,057.60 | \$1,516.60 | \$1,975.60 | |
| \$1.70 | \$547.60 | \$1,057.60 | \$1,567.60 | \$2,077.60 | \$2,587.60 | |
| \$1.87 | \$955.60 | \$1,516.60 | \$2,077.60 | \$2,638.60 | \$3,199.60 | |
| \$2.04 | \$1,363.60 | \$1,975.60 | \$2,587.60 | \$3,199.60 | \$3,811.60 | |

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