

**BUDGET KEY--For Event Use Only**  
**Ground, Field Work, & Irrigation**

| PER ACRE FEES      |       |           |              | FEES PER HOUR                                |       |       |              |
|--------------------|-------|-----------|--------------|----------------------------------------------|-------|-------|--------------|
| TASK               | Acres | RATE      | TOTAL        | ITEM                                         | Hours | RATE  | TOTAL        |
| Chisel             | 13.7  | \$ 69.20  | \$ 948.04    | Blade                                        | 16.00 | 96.72 | 1,547.52     |
| Laser/GPS Leveling | 13.7  | \$ 75.85  | \$ 1,039.15  | Spray Ditches w/ tractor                     | 4.00  | 51.13 | 204.52       |
| Cultivate (42")    | 13.7  | \$ 30.83  | \$ 422.37    | Irrigator                                    | 25.50 | 12.98 | 330.99       |
| Disc               | 13.7  | \$ 30.97  | \$ 424.29    | Irrigator Foreman                            | 4.02  | 34.48 | 138.61       |
| Disk/ Ringroller   | 13.7  | \$ 34.78  | \$ 476.49    | Set Siphon pipes                             | 2.40  | 12.98 | 31.15        |
| List               | 13.7  | \$ 39.09  | \$ 535.53    | Lift siphon pipes                            | 4.43  | 12.98 | 57.50        |
| Spike              | 13.7  | \$ 24.56  | \$ 336.47    | Siphon pipe foreman                          | 3.00  | 34.48 | 103.44       |
| Plow               | 13.7  | \$ 63.20  | \$ 856.84    | Siphon pipe tractor                          | 4.72  | 29.9  | 141.13       |
| Hipper Ripper jr.  | 13.7  | \$ 30.88  | \$ 423.06    | TOTAL                                        |       |       | 2,554.86     |
| Rent               | 13.7  | \$ 825.00 | \$ 11,302.50 | Total Cost Ground, Field Work and Irrigation |       |       | \$ 20,630.10 |
| Water              | 13.7  | \$ 95.00  | \$ 1,301.50  |                                              |       |       |              |
|                    |       |           | \$ 18,075.24 |                                              |       |       |              |

| OTHER FIELD COSTS              | Total               | Per Acre           |
|--------------------------------|---------------------|--------------------|
| N-PhURIC 15/49                 | \$ 408.17           | \$ 29.79           |
| 11-52-00 & spreading cost      | \$ 2,107.00         | \$ 153.80          |
| UN32                           | \$ 2,050.63         | \$ 149.68          |
| Planting                       | \$ 1,563.00         | \$ 114.09          |
| Hand Weeding                   | \$ 9,242.00         | \$ 674.60          |
| Pest Control Advising          | \$ 104.00           | \$ 7.59            |
| Fungicides & applications      | \$ 2,192.00         | \$ 160.00          |
| Insecticides & Applications    | \$ 1,849.50         | \$ 135.00          |
| Herbicide (chemical only)      | \$ 27.00            | \$ 18.00           |
| Roguing / weeding              | \$ 914.00           | \$ 66.72           |
| Pegging and Stringing          | \$ 6,738.00         | \$ 491.82          |
| Destroying males               | \$ 1,559.00         | \$ 113.80          |
| Harvesting Equipment           | \$ 1,886.00         | \$ 137.66          |
| Harvest Labor                  | \$ 12,172.50        | \$ 888.50          |
| <b>TOTAL OTHER FIELD COSTS</b> | <b>\$ 42,812.80</b> | <b>\$ 3,141.05</b> |

| CONTRACT COST ANALYSIS                                |              |
|-------------------------------------------------------|--------------|
| <b>EXPENDITURES</b>                                   |              |
| Land, ground work and irrigation                      | \$ 63,442.90 |
| <b>REVENUES</b>                                       |              |
| Income at contract \$1000/ac                          | \$13,700.00  |
| Reimbursement on expenses                             | \$ 63,442.90 |
| TOTAL REVENUES                                        | \$ 77,142.90 |
| Rate of return profitability:                         | 21.59%       |
| Is this is a reasonable rate of return on investment? | Yes          |

PESTICIDE CHOICES KEY--For Event Use Only

| Product            | \$/AC    | Total Cost | w/APP Cost  | Type of Product |
|--------------------|----------|------------|-------------|-----------------|
| Round Up Power Max | \$ 23.00 | \$ 34.50   | \$ 239.02   | Herbicide       |
| Credit 41          | \$ 18.00 | \$ 27.00   | \$ 231.52   | Herbicide       |
| Manzate            | \$ 15.00 | \$ 205.50  | \$ 479.50   | Fungicide       |
| Fontelis           | \$ 50.00 | \$ 685.00  | \$ 959.00   | Fungicide       |
| Fosphite           | \$ 15.00 | \$ 205.50  | \$ 479.50   | Fungicide       |
| Zampro             | \$ 35.00 | \$ 479.50  | \$ 753.50   | Fungicide       |
| Agri-Mek           | \$ 35.00 | \$ 479.50  | \$ 753.50   | Insecticide     |
| Radiant            | \$ 55.00 | \$ 753.50  | \$ 1,027.50 | Insecticide     |
| Lannate            | \$ 60.00 | \$ 822.00  | \$ 1,096.00 | Insecticide     |
| Rally              | \$ 15.00 | \$ 205.50  | \$ 479.50   | Fungicide       |

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**ITEMIZED COST OF EVENTS**

| <b>TASK DESCRIPTION</b>     | <b>DATE</b> | <b>QTY/UNIT</b> | <b>COST</b>  |
|-----------------------------|-------------|-----------------|--------------|
| Chisel                      | 1-Sep       | 13.7            | \$ 948.04    |
| Plow                        | 1-Sep       | 13.7            | \$ 865.84    |
| Disc                        | 1-Sep       | 13.7            | \$ 424.29    |
| Laser/GPS level             | 1-Sep       | 13.7            | \$ 1,039.15  |
| Disc w/ ring roller         | 12-Sep      | 13.7            | \$ 476.49    |
| Hipper ripper jr.           | 12-Sep      | 13.7            | \$ 423.06    |
| List                        | 12-Sep      | 13.7            | \$ 535.53    |
| Cultivate (42")             | 7-Nov       | 13.7            | \$ 422.37    |
| Spike (42")                 | 7-Nov       | 13.7            | \$ 336.47    |
| Blade-ditch banks, roadways | 7-Nov       | 3.00            | \$ 290.16    |
| Blade, Waterways, roads     | 27-Oct      | 4.00            | \$ 386.88    |
| Blade-ditch banks, roadways | 10-Nov      | 3.00            | \$ 290.16    |
| Blade, Waterways, roads     | 16-Dec      | 4.00            | \$ 386.88    |
| Blade-take down borders     | 10-Dec      | 2.00            | \$ 193.44    |
| Spray ditch/2 men w/tractor | 27-Oct      | 4.00            | \$ 204.52    |
| Irrigator                   | 10-Oct      | 6.50            | \$ 84.37     |
| Irrigator                   | 28-Oct      | 11.00           | \$ 142.78    |
| Irrigator                   | 23-Nov      | 4.00            | \$ 51.92     |
| Irrigator                   | 20-Dec      | 4.00            | \$ 51.92     |
| Irrigator Foremen           | 23-Nov      | 0.93            | \$ 32.07     |
| Irrigator Foremen           | 20-Dec      | 2.00            | \$ 68.96     |
| Irrigator Foremen           | 9-Dec       | 1.09            | \$ 37.58     |
| Set Siphon pipes            | 21-Oct      | 2.40            | \$ 31.15     |
| Lift siphon pipe            | 31-Oct      | 1.43            | \$ 18.56     |
| Lift siphon pipe            | 9-Dec       | 3.00            | \$ 38.94     |
| Lift siphon pipe foreman    | 28-Oct      | 3.00            | \$ 103.44    |
| Siphon pipe tractor         | 31-Oct      | 1.72            | \$ 51.43     |
| Siphon pipe tractor         | 9-Dec       | 3.00            | \$ 89.70     |
| Rent                        | 1-Sep       | 13.7            | \$ 11,302.50 |

PESTICIDES AND FERTILIZER QUESTIONS KEY--For Event Use Only

1. What method of weed control was selected for ditch and road ways?

**I would use the Credit 41 as it is the least expensive glyphosate product according to page 2 on pesticide choices.**

2. What method of weed control was selected for weed control in the field and why?

**Either by hand weeding or by use of a cultivator**

**2. b. Why? Weeds were controlled by using a cultivator and hand labor. Both herbicides provided are broad spectrum herbicides and should not be used in an in-field application.**

3. Why might you use Round Up Power Max over Credit 41?

**Round Up Max is more concentrated than Credit 41 but slightly more expensive but no real diff.**

4. What could be used to control the phytophthora in the field?

**Fosphite**

5. What products were selected for plant disease control and why?

**Fosphite, Zampro, and Manzate**

**5. b. Why? Fosphite is the only product for Phytothphora but also controls Downy mildew but should be applied in 2 to 3 week intervals. Zampro controls Downy Mildew but not Purple Blotch and should be applied on 5 to 7 day intervals but no more than 3x a season and no more than 2 times sequentially without changing the fungicide mode of action being used so could be used for Nov. 21 application followed by Fosphite on Nov. 30. Manzate is labelled for use with Purple Blotch and Downy mildew so fits for Dec 20 application.**

6. What insecticide did you select to control insect pressure in the field?

**Lannate SP, Agri-Mek**

**6. b. Why? An aggressive application of Lannate SP was selected to get the heavy trip pressure under control for the October 10 application. Although mites are not listed on the label, thrips are listed. If as on the Oct 20 application date both populations are present (mites and thrips both at low population), Agri-Mek could be used to control the thrip population and till be considered to be ethical and legal with the idea that it might give some mite control. Keep in mind that with an aerial application, Agri-Mek control of thrips is less than for ground application but with the low population it should work. Mites are on the label for other crops with Agri-Mek so some activity could occur.**



**KEY CONTINUED**

7. What type of product is Rally? Can it be applied on onions to control thrip?

**A fungicide an No**

8. Can Radiant SC be used for mite control on onions in this field and?

**NO**

**8.b. Why? Radiant SC is not a miticide.**

9. Should you accept this contract and why?

**Yes, a return of about 22% is quite a nice return for 6 months of field time with a guarantee profit of \$1,000/acre.**