

**PEANUTS, NON-IRRIGATED  
4-ROW COMBINE, 6-ROW EQUIPMENT  
SOUTH GEORGIA, 2007**

**ESTIMATED COSTS AND RETURNS**

Expected Yield per Acre

1.35 Ton

YIELD: YOUR FARM \_\_\_\_\_

| VARIABLE COSTS                | Unit    | Number of |    | \$/Unit | Cost/Acre        | \$/Ton           | Your Farm |
|-------------------------------|---------|-----------|----|---------|------------------|------------------|-----------|
|                               |         | Units     |    |         |                  |                  |           |
| Seed                          | Lb.     | 115.00    | \$ | 0.52    | \$ 59.80         | \$ 44.30         | _____     |
| Inoculant                     | Lb.     | 5.00      | \$ | 1.40    | \$ 7.00          | \$ 5.19          | _____     |
| Lime/Gypsum                   | Ton     | 0.50      | \$ | 63.00   | \$ 31.50         | \$ 23.33         | _____     |
| Fertilizer                    |         |           |    |         |                  |                  | _____     |
| Phosphate (P2O5)              | Lb.     | 20.00     | \$ | 0.31    | \$ 6.20          | \$ 4.59          | _____     |
| Potash (K2O)                  | Lb.     | 40.00     | \$ | 0.23    | \$ 9.20          | \$ 6.81          | _____     |
| Boron                         | Lb.     | 0.50      | \$ | 3.75    | \$ 1.88          | \$ 1.39          | _____     |
| Weed Control                  | Acre    | 1.00      | \$ | 42.16   | \$ 42.16         | \$ 31.23         | _____     |
| Insect Control                | Acre    | 1.00      | \$ | 25.25   | \$ 25.25         | \$ 18.70         | _____     |
| Disease Control*              | Acre    | 1.00      | \$ | 68.40   | \$ 68.40         | \$ 50.67         | _____     |
| <i>Machinery: Preharvest</i>  |         |           |    |         |                  |                  | _____     |
| Fuel                          | Gallon  | 9.19      | \$ | 2.25    | \$ 20.69         | \$ 15.32         | _____     |
| Repairs & Maintenance         | Acre    | 1.00      | \$ | 13.79   | \$ 13.79         | \$ 10.21         | _____     |
| <i>Machinery: Harvest</i>     |         |           |    |         |                  |                  | _____     |
| Fuel                          | Gallon  | 10.29     | \$ | 2.25    | \$ 23.16         | \$ 17.16         | _____     |
| Repairs & Maintenance         | Acre    | 1.00      | \$ | 19.74   | \$ 19.74         | \$ 14.62         | _____     |
| Labor                         | Hrs     | 2.81      | \$ | 10.00   | \$ 28.15         | \$ 20.85         | _____     |
| Crop Insurance                | Dol.    | 1.00      | \$ | 15.00   | \$ 15.00         | \$ 11.11         | _____     |
| Land Rental                   | Acre    | 1.00      |    |         | \$ -             | \$ -             | _____     |
| Interest on Operating capital | Percent | \$ 185.95 |    | 8.00%   | \$ 14.88         | \$ 11.02         | _____     |
| Cleaning                      | Ton     | 0.45      | \$ | 10.50   | \$ 4.72          | \$ 3.50          | _____     |
| Drying                        | Ton     | 0.90      | \$ | 26.00   | \$ 23.41         | \$ 17.34         | _____     |
| GPC&GPPA State                | Ton     | 1.35      | \$ | 3.00    | \$ 4.05          | \$ 3.00          | _____     |
| NPB Checkoff                  | Dol.    | 0.01      | \$ | 513.00  | \$ 5.13          | \$ 3.80          | _____     |
| <b>Total Variable Costs</b>   |         |           |    |         | <b>\$ 424.10</b> | <b>\$ 314.14</b> |           |

**Fixed Costs:**

Machinery: Depreciation, Taxes, Insurance, and Housing

|   |         |           |    |       |          |          |       |
|---|---------|-----------|----|-------|----------|----------|-------|
| Preharvest                                  | Acre    | 1.00      | \$ | 39.92 | \$ 39.92 | \$ 29.57 | _____ |
| Harvest                                     | Acre    | 1.00      | \$ | 70.10 | \$ 70.10 | \$ 51.92 | _____ |
| General Overhead                            | % of VC | \$ 424.10 |    | 5.00% | \$ 21.20 | \$ 15.71 | _____ |
| Management                                  | % of VC | \$ 424.10 |    | 5.00% | \$ 21.20 | \$ 15.71 | _____ |
| Owned Land Costs; Taxes, Cash Payment, Etc. | Acre    | 1.00      | \$ | -     | \$ -     | \$ -     | _____ |
| Other _____                                 |         |           |    |       |          |          | _____ |

**Total Fixed Costs** **\$ 152.43** **\$ 112.91**

**TOTAL COSTS AND PROFIT GOAL**

**Total Costs Excluding Land** **\$ 576.53** **\$ 427.06**

\*\*\*\* YOUR PROFIT GOAL \*\*\*\* \$ \_\_\_\_\_/Bu.

\$\$-PRICE NEEDED FOR PROFIT-\$\$ \$ \_\_\_\_\_/Bu.

\*If soilborne disease threatens to be severe, additional application of soilborne fungicide may be recommended, add \$15-\$20 per spray. If leafspot threatens to become severe, additional application of chlorothalonil may be recommended at 3/4 pint with certain soilborne fungicides. A nematicide (where needed) = \$50-70 per acre.

**Sensitivity Analysis of PEANUTS, NON-IRRIGATED**

| NET RETURNS ABOVE VARIABLE COSTS PER ACRE |        |            |            |           |           |           |
|---|--------|------------|------------|-----------|-----------|-----------|
| Varying Prices and Yield (Ton)            |        |            |            |           |           |           |
|   |        | -25%       | -10%       | Average   | +10%      | +25%      |
|   |        | 2025       | 2430       | 2700      | 2970      | 3375      |
|   |        | 1.0125     | 1.215      | 1.35      | 1.485     | 1.6875    |
| \$  | 340.00 | \$ (79.85) | \$ (11.00) | \$ 34.90  | \$ 80.80  | \$ 149.65 |
| \$  | 355.00 | \$ (64.66) | \$ 7.23    | \$ 55.15  | \$ 103.08 | \$ 174.97 |
| \$  | 370.00 | \$ (49.47) | \$ 25.45   | \$ 75.40  | \$ 125.35 | \$ 200.28 |
| \$  | 385.00 | \$ (34.28) | \$ 43.68   | \$ 95.65  | \$ 147.63 | \$ 225.59 |
| \$  | 400.00 | \$ (19.10) | \$ 61.90   | \$ 115.90 | \$ 169.90 | \$ 250.90 |

**ESTIMATED LABOR AND MACHINERY COSTS PER ACRE**

| PREHARVEST OPERATIONS   |            |                   |                 |                    |                           |                     |  |
|---|------------|-------------------|-----------------|--------------------|---------------------------|---------------------|--|
| Operation   | Acres/Hour | Number Times Over | Labor Use (Hr.) | Fuel Use (Gal./Ac) | Machinery Repairs (\$/Ac) | Fixed Costs (\$/Ac) |  |
| Heavy Disk27' with Tractor (180-199 hp)-MFWD 190                | 13.214     | 2.00              | 0.15            | 1.48               | 2.81                      | 8.16                |  |
| Plow 4 Bottom Switch6' with Tractor (180-199 hp)-MFWD 190       | 2.327      | 1.00              | 0.43            | 4.20               | 5.26                      | 15.87               |  |
| Disk & Incorporate32' with Tractor (180-199 hp)-MFWD 190        | 15.515     | 1.00              | 0.06            | 0.63               | 1.28                      | 3.38                |  |
| Field Cultivate32' with Tractor (180-199 hp)-MFWD 190           | 21.430     | 1.00              | 0.05            | 0.46               | 0.71                      | 2.97                |  |
| Plant & Pre Rigid6R-36 with Tractor (120-139 hp)-2WD 130        | 9.218      | 1.00              | 0.11            | 0.73               | 1.52                      | 4.23                |  |
| Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130          | 35.455     | 9.00              | 0.25            | 1.70               | 2.20                      | 5.31                |  |
| <b>Total Preharvest Fuel, Repairs, Fixed Costs, &amp; Labor</b> |            |                   | <b>1.054</b>    | <b>\$ 9.19</b>     | <b>\$ 13.79</b>           | <b>\$ 39.92</b>     |  |

| HARVEST OPERATIONS   |            |                   |                 |                    |                           |                     |  |
|--|------------|-------------------|-----------------|--------------------|---------------------------|---------------------|--|
| Operation  | Acres/Hour | Number Times Over | Labor Use (Hr.) | Fuel Use (Gal./Ac) | Machinery Repairs (\$/Ac) | Fixed Costs (\$/Ac) |  |
| Peanut Digger & Inverter 4R 36" with Tractor (180-199 hp)-MFWD 190 | 3.56       | 1.00              | 0.28            | 2.74               | \$ 3.24                   | \$ 13.96            |  |
| Pull-type Peanut Combine 4R 36" with Tractor (180-199 hp)-MFWD 190 | 2.18       | 1.00              | 0.46            | 4.48               | \$ 14.03                  | \$ 47.07            |  |
| Peanut Wagon 21' with Tractor (120-139 hp)-2WD 130                 | 2.18       | 1.00              | 0.46            | 3.07               | \$ 2.46                   | \$ 9.07             |  |
| <b>Total Harvest Fuel, Repairs, Fixed Costs, and Labor</b>         |            |                   | <b>1.197</b>    | <b>\$ 10.29</b>    | <b>\$ 19.74</b>           | <b>\$ 70.10</b>     |  |

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