## FLUE-CURED TOBACCO-HAND HARVEST PIEDMONT - 2012

### ESTIMATED COSTS PER ACRE, 2012

<table>
<thead>
<tr>
<th>GROSS RECEIPTS</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>PRICE OR TOTAL</th>
<th>YOUR FARM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Stalk Position</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lugs LBS</td>
<td>0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Cutter LBS</td>
<td>0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Leaf LBS</td>
<td>0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td>Tips LBS</td>
<td>0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL RECEIPTS:</strong></td>
<td></td>
<td></td>
<td>$0.00</td>
<td></td>
</tr>
</tbody>
</table>

### 2. VARIABLE COSTS

- **PLANTS (GREENHOUSE)**
  - THOU. 6.20
  - COST/UNIT: $34.50
  - TOTAL: $213.90

- **MULTIPURPOSE FUMIGATION**
  - GAL 10.50
  - COST/UNIT: $17.13
  - TOTAL: $179.87

- **FERTILIZER**
  - 6-6-18 LBS 665.00
  - COST/UNIT: $0.27
  - TOTAL: $179.55

- **15.5-0-0 LBS 260.00**
  - COST/UNIT: $0.25
  - TOTAL: $65.00

- **LIME (PRORATED)**
  - TON 0.33
  - COST/UNIT: $48.50
  - TOTAL: $16.01

- **HERBICIDES**
  - ACRE 1.00
  - COST/UNIT: $51.17
  - TOTAL: $51.17

- **INSECTICIDES**
  - ACRE 1.00
  - COST/UNIT: $62.65
  - TOTAL: $62.65

- **SUCCER CONTROL**
  - ACRE 1.00
  - COST/UNIT: $186.32
  - TOTAL: $186.32

- **HAULING**
  - LBS 2500.00
  - COST/UNIT: $0.04
  - TOTAL: $100.00

- **COVER CROP**
  - ACRE 1.00
  - COST/UNIT: $20.00
  - TOTAL: $20.00

- **CURING FUEL**
  - GAL 325.00
  - COST/UNIT: $1.75
  - TOTAL: $568.75

- **ELECTRICITY**
  - KWH 1580.00
  - COST/UNIT: $0.08
  - TOTAL: $126.40

- **CROP INSURANCE**
  - DOL. 1.00
  - COST/UNIT: $120.00
  - TOTAL: $120.00

- **IRRIGATION**
  - CYCLE 3.00
  - COST/UNIT: $80.01
  - TOTAL: $240.03

- **BALING SUPPLIES**
  - DOL. 2500.00
  - COST/UNIT: $0.003
  - TOTAL: $7.50

- **TRACTOR/MACHINERY**
  - ACRE 1.00
  - COST/UNIT: $157.14
  - TOTAL: $157.14

- **LABOR**
  - PRE HARVEST HRS 46.25
  - COST/UNIT: $9.70
  - TOTAL: $448.63

  - HARVEST/BAILING HRS 59.60
  - COST/UNIT: $9.70
  - TOTAL: $578.12

  - POST HARVEST HRS 9.00
  - COST/UNIT: $9.70
  - TOTAL: $87.30

  - INTEREST ON OP. CAP. DOL. $555.81
  - COST/UNIT: 5.0%
  - TOTAL: $27.79

**TOTAL VARIABLE COSTS:**

$3,436.13

### 3. INCOME ABOVE VARIABLE COSTS:

### 4. FIXED COSTS

- **TRACTOR/MACHINERY**
  - ACRE 1.00
  - COST/UNIT: $98.63
  - TOTAL: $98.63

- **BULK BARN**
  - ACRE 1.00
  - COST/UNIT: $132.58
  - TOTAL: $132.58

- **BAILER**
  - ACRE 1.00
  - COST/UNIT: $7.50
  - TOTAL: $7.50

- **IRRIGATION**
  - ACRE 1.00
  - COST/UNIT: $67.08
  - TOTAL: $67.08

**TOTAL FIXED COSTS:**

$305.79

### 5. TOTAL COSTS:

$3,741.92

### 6. NET RETURNS TO LAND, RISK, AND MANAGEMENT:

<table>
<thead>
<tr>
<th>BREAK-EVEN YIELD</th>
<th>BREAK-EVEN PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARIABLE COSTS</td>
<td>VARIABLE COSTS</td>
</tr>
<tr>
<td>TOTAL COSTS</td>
<td>TOTAL COSTS</td>
</tr>
</tbody>
</table>

* CROP INSURANCE: 65% BASED PREMIUM, NO DISASTER SUBSIDIES.

* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.
## TOBACCO - HAND HARVEST

### PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR HAND HARVEST TOBACCO

<table>
<thead>
<tr>
<th>MONTH</th>
<th>OPERATION</th>
<th>TIMES</th>
<th>LABOR</th>
<th>MACHINE</th>
<th>VARIABLE</th>
<th>FIXED</th>
</tr>
</thead>
<tbody>
<tr>
<td>11,3</td>
<td>DISK HARROW (20')</td>
<td>2.00</td>
<td>0.20</td>
<td>0.18</td>
<td>$5.36</td>
<td>$6.38</td>
</tr>
<tr>
<td>3</td>
<td>FUMIGATION UNIT</td>
<td>1.00</td>
<td>0.47</td>
<td>0.43</td>
<td>$5.11</td>
<td>$3.73</td>
</tr>
<tr>
<td>3</td>
<td>FIELD CULTIVATOR 25'</td>
<td>2.00</td>
<td>0.20</td>
<td>0.18</td>
<td>$5.66</td>
<td>$6.66</td>
</tr>
<tr>
<td>4,5</td>
<td>CULTIVATOR 4-ROW</td>
<td>3.00</td>
<td>0.63</td>
<td>0.57</td>
<td>$13.44</td>
<td>$10.55</td>
</tr>
<tr>
<td>3</td>
<td>TOBACCO BEDDER 4-ROW</td>
<td>1.00</td>
<td>0.18</td>
<td>0.16</td>
<td>$2.16</td>
<td>$1.57</td>
</tr>
<tr>
<td>4</td>
<td>TOBACCO BED SHAPER 4-ROW</td>
<td>1.00</td>
<td>0.18</td>
<td>0.16</td>
<td>$2.06</td>
<td>$1.37</td>
</tr>
<tr>
<td>4</td>
<td>TOBACCO TRANSPLANTER 4-ROW</td>
<td>1.00</td>
<td>0.24</td>
<td>0.22</td>
<td>$7.46</td>
<td>$4.71</td>
</tr>
<tr>
<td>5,6,7,8</td>
<td>HIBOY (30 FT BOOM)</td>
<td>8.00</td>
<td>0.79</td>
<td>0.72</td>
<td>$25.60</td>
<td>$20.96</td>
</tr>
<tr>
<td>7,8,9</td>
<td>TOBACCO TRAILER</td>
<td>3.00</td>
<td>8.51</td>
<td>7.74</td>
<td>$88.17</td>
<td>$40.41</td>
</tr>
<tr>
<td>4</td>
<td>BUSHHOG 14'</td>
<td>1.00</td>
<td>0.12</td>
<td>0.11</td>
<td>$2.49</td>
<td>$2.49</td>
</tr>
</tbody>
</table>

### PER ACRE TOTALS FOR SELECTED OPERATIONS
- 11.52
- 10.47
- $157.14
- $98.63

### UNALLOCATED LABOR (HRS./AC.)

### CHEMICAL USE ASSUMPTIONS FOR HAND HARVEST TOBACCO

<table>
<thead>
<tr>
<th>UNIT</th>
<th>QUANTITY</th>
<th>PRICE OR UNIT</th>
<th>TOTAL</th>
<th>MONTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HERBICIDES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>clomazone (Command)</td>
<td>PT 1.50</td>
<td>$15.10</td>
<td>$22.65</td>
<td>MAR</td>
</tr>
<tr>
<td>sulfentrazone + Carfentrazone-ethyl</td>
<td>OZ 10.00</td>
<td>$2.85</td>
<td>$28.52</td>
<td>MAR</td>
</tr>
<tr>
<td>SUCKER CONTROL:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>octanol and 1 decanol (Off Shoot)</td>
<td>GAL 9.00</td>
<td>$15.50</td>
<td>$139.50</td>
<td>JUL</td>
</tr>
<tr>
<td>flumetraline (Prime+ EC)</td>
<td>GAL 0.50</td>
<td>$58.00</td>
<td>$29.00</td>
<td>JUL</td>
</tr>
<tr>
<td>maleic hydrazide (Royal)</td>
<td>GAL 1.50</td>
<td>$11.88</td>
<td>$17.82</td>
<td>JUL</td>
</tr>
<tr>
<td>INSECTICIDES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>acephate (Orthene)</td>
<td>LB 2.25</td>
<td>$10.76</td>
<td>$24.21</td>
<td>JUNE</td>
</tr>
<tr>
<td>spinosad (Tracer)</td>
<td>OZ 1.80</td>
<td>$7.58</td>
<td>$13.64</td>
<td>MAR</td>
</tr>
<tr>
<td>rynaxapyr (Coragen)</td>
<td>OZ 4.00</td>
<td>$6.20</td>
<td>$24.80</td>
<td>MAR</td>
</tr>
</tbody>
</table>

### TOTAL:
- $300.14

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North Carolina State University, Dept. Agricultural and Resource Economics