### STANDARD TASK ANALYSIS FORM

**Date:** 02/2011

**Analyst:** John Moser

**Specific Relevant References:**
- Al Welch 2 Extension publications
- USDA, NRCS, Sustainable Agriculture
- Working with the Irrigation System
- Guide to Irrigation System Management
- USDA, NRCS, Irrigation Management
- Al Welch 2 Extension publications

### PERFORMANCE STANDARDS (Observably and Measurable Criteria)

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<table>
<thead>
<tr>
<th>TASK</th>
<th>PERFORMANCE CRITERIA</th>
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<tbody>
<tr>
<td>1</td>
<td>Obtain the correct bulbs/tubers for planting</td>
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<tr>
<td>2</td>
<td>Prepare the planter for planting by ensuring cutting larger planting stock into pieces with eyes</td>
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<td>3</td>
<td>Adjust planting depth on planter</td>
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<td>4</td>
<td>Adjust planting rate on planter</td>
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<td>5</td>
<td>Adjust row width on planter</td>
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<td>6</td>
<td>Prepare the tuber for planting by cutting larger stock into pieces with eyes</td>
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<td>7</td>
<td>Plant the bulbs/tubers</td>
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<td>8</td>
<td>Place bulbs/tubers and plant fertilizer (if non-organic) in separate planter hoppers</td>
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<tr>
<td>9</td>
<td>Size the planter cups can accommodate, rule of thumb of having 1-2 eyes per cut piece</td>
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<td>10</td>
<td>Size of bulb or tuber being planted</td>
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<tr>
<td>11</td>
<td>Place bulbs/tubers and plant fertilizer (if non-organic) in separate planter hoppers</td>
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<tr>
<td>12</td>
<td>Size the planter cups can accommodate, rule of thumb of having 1-2 eyes per cut piece</td>
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<tr>
<td>13</td>
<td>Place bulbs/tubers and plant fertilizer (if non-organic) in separate planter hoppers</td>
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<tr>
<td>14</td>
<td>Cover the bulbs/tubers and fertilizer to the correct depth</td>
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<tr>
<td>15</td>
<td>New bulbs or tubers won't grow due to high pressure pipelines</td>
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### TOOLS EQUIPMENT, SUPPLIES & MATERIALS (Needed)

- Purchase order, phone
- Manual for planter
- Planter, wrenches, ruler
- Planter, tractor
- Hoe
- Fertilizer (if non-organic) in separate planter hoppers
- Bulbs, tubers, fertilizer, planter
- Irrigation system
- Shovel, hoe, bucket
- Ring auger
- Hand, bucket
- Hand cultivator
- Seedlings
- Tractor or planter

### REQUIRED KNOWLEDGE AND SKILLS

- Math, Science, & Language
- Mechanical knowledge, ability to operate irrigation system
- Mechanical knowledge, ability to operate a tractor
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- Mechanical knowledge, ability to operate a tractor
- Physical stamina
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### SAFETY (Concerns)

- Injury may be sustained by cutting larger planting stock into smaller pieces with eyes
- Inadequate planter cups can accommodate, rule of thumb of having 1-2 eyes per cut piece
- Planter cups may not fit properly
- Fertilizer may be placed too shallow or too deep
- New bulbs or tubers won't grow due to high pressure pipelines
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### WORKER BEHAVIORS

- Discerning, selective, accurate, timely
- Physically fit, conscientious, accurate
- Knowledge of recommended planting rates, mechanical knowledge
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### DECISIONS (Identify Decisions that Must be Made by the Worker)

- Weather conditions, soil conditions, type of irrigation system (if available)
- Mechanical knowledge, ability to operate irrigation system
- Knowledge of how to operate irrigation system
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### CODE (Identify the Code for Making Correct Decisions)

- Farm (F)
- Garden (G)
- Home (H)
- Irrigation (I)

### REMINDERS (Indicate What May Result if Incorrect Decisions are Made)

- May produce too many or too few plants per row
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