PRODUCTION GUIDELINES FOR 1 HA OF ONIONS

Seedbed seeding rate is about 10 grams/sq metre which translate to about 3 kgs/300 sq metres/ha

Direct seeding requires about 5 - 8 kgs/hectare, Plant spacing is 0.5 - 0.7m * 0.25 - 0.3m inter row & intra row respectively

Planting time is generally recommended from January - March, for some varieties from February to March, transplant seedlings that are pencil thick size in diameter

Time taken from sowing may be between 6 - 8 weeks upon which seedlings become suitable for transplanting, preferably when they are of pencil thickness in diameter

Cool conditions are favourable for bulb initiation and formation while warm conditions are favourable for physiological maturity

Yield target ranges from 20 - 40 tons per hectare depending on variety, fertilization and Good Agronomic Practices (GAPS)

<table>
<thead>
<tr>
<th>Fertilizer requirements</th>
<th>Product</th>
<th>Rate/ha</th>
<th>Nitrogen</th>
<th>Phosphate</th>
<th>Potash</th>
<th>Sulphur</th>
<th>Boron</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base dressing</td>
<td>Agricura Compound C</td>
<td>5:15:12</td>
<td>600</td>
<td>30</td>
<td>90</td>
<td>72</td>
<td></td>
<td>Apply all at or before planting</td>
</tr>
<tr>
<td>Top dressing</td>
<td>Ammonium nitrate</td>
<td>AN (34.5%N)</td>
<td>500</td>
<td>35</td>
<td>60</td>
<td>60</td>
<td></td>
<td>Apply at 3 - 4 weeks after planting</td>
</tr>
<tr>
<td>Top dressing</td>
<td>MOP</td>
<td>MOP</td>
<td>500</td>
<td>35</td>
<td>60</td>
<td>60</td>
<td></td>
<td>Top dress at 6 - 8 weeks after transplanting</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>65</td>
<td>90</td>
<td>132</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Phytohormones**

Grasses Only
- Trifluralin 48EC: 1.1 - 1.6 litres per hectare
- Agil 100EC: 0.5 - 2 litres per hectare
- Gallant super: 0.5 - 2 litres per hectare

Cutworms
- Lamba cyhalothrin: 200mls per hectare
- Chlopyrifos: 400mls per hectare
- Fenvelerate: 200mls per hectare
- Decis forte: 120mls per hectare

Alternaria
- Tebuconazole 25EC: 150mls/100 litres of water
- Dithane M45: 400 grams per hectare

Caterpillars
- Carbaryl 85WP: 400 grams per hectare

Downy Mildew
- Azoxyshorbin: 200 - 400mls per hectare
- Dithane M45: 400 grams per hectare
- Metalaxyl + Mancozeb: 250grams/100 litres of water

Leaf Hoppers
- Malathion 25WP: 200 grams/100 litres of water

Neck Rot
- Dithane M45: 2kgs per hectare

Purple Blotch
- Tebuconazole 25EC: 150mls/100 litres of water

Thrips
- Cartap hydrochloride: 400grams/100 litres of water
- Malathion 25WP: 400grams/100 litres of water
- Thunder: 300mls per hectare
- Malathion 50EC: 180mls/100 litres of water

White Rot
- Dicloran: 400grams/100 litres of water

Approximately 12.5 x 16 litre knapsacks will cover 1 hectare and apply 200 litres of water

ALWAYS READ LABELS BEFORE USING THE PRODUCTS

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