SUMMARY OF CROP CULTURAL AND MANAGEMENT PRACTICES

CROP YEAR 1994

**Plant date test**

<table>
<thead>
<tr>
<th>Location</th>
<th>Tidewater Agricultural Experiment Station, Suffolk, VA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil type</td>
<td>Nansemond fine sandy loam</td>
</tr>
<tr>
<td>Crop history</td>
<td>peanut, 1992; corn, 1993</td>
</tr>
<tr>
<td>Land preparation</td>
<td>Moldboard plow and disk</td>
</tr>
<tr>
<td>Cultivar</td>
<td>NC 9</td>
</tr>
<tr>
<td>Planting dates</td>
<td>20 April-plant date 1; 30 April-plant date 2; 10 May-plant date 3; 20 May-plant date 4</td>
</tr>
<tr>
<td>Herbicides:</td>
<td></td>
</tr>
<tr>
<td>Pre-plant</td>
<td></td>
</tr>
<tr>
<td>Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha (11 April)</td>
<td></td>
</tr>
<tr>
<td>Pre-emergence</td>
<td></td>
</tr>
<tr>
<td>Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha (20 April - plant date 1)</td>
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</tr>
<tr>
<td>Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha + Starfire 0.8 L/ha (9 May - plant date 2; 13 May - plant date 3; 25 May - plant date 4)</td>
<td></td>
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<tr>
<td>Post-emergence</td>
<td></td>
</tr>
<tr>
<td>Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (2 June)</td>
<td></td>
</tr>
<tr>
<td>Poast Plus 2.63 L/ha (3 June)</td>
<td></td>
</tr>
<tr>
<td>Blazer 0.73 L/ha + Butyrac 0.58 L/ha (19 July)</td>
<td></td>
</tr>
</tbody>
</table>

88
Insecticides:  Temik 15G 7.8 kg/ha (in-furrow, at planting)  
Orthene 75S 0.75 kg/ha  
Lorsban 15G 14.6 kg/ha (8 July)  
Asana XL 0.44 L/ha (23 August)

CBR control:  Vapam 93.6 L/ha

Leaf spot control:  Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (24 June, 19 July, 3 August, 23 August)

Landplaster:  897 kg/ha (7 July)

Liquid Manganese:  2.3 L/ha (24 June, 19 July, 3 August)

Cultivation:  8 July

Digging date:  11 October, 1994

**Sclerotinia algorithm test - Location A**

Location:  Tidewater Agricultural Experiment Station, Suffolk, VA

Soil type:  Nansemond fine sandy loam

Crop history:  peanut, 1993; corn, 1994

Land preparation:  Moldboard plow and disk

Cultivar:  NC 7

Planting date:  30 April

Herbicides:  Pre-plant  
Dual 8E 1.75 L/ha + Pursuit 0.3 L/ha (11 April)

Pre-emergence  
Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (9 May)

Post-emergence
Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (2 June)

Poast Plus 2.63 L/ha (3 June)

Blazer 0.73 L/ha + Butyrac 0.58 L/ha (19 July)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
Orthene 75S 0.75 kg/ha (10 June)
Lorsban 15G 14.6 kg/ha (8 July)
Asana XL 0.44 L/ha (23 August)

CBR control: Vapam 93.6 L/ha (6 April)

Leaf spot control: Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (24 June, 19 July, 3 August, 23 August)

Landplaster: 897 kg/ha (7 July)

Liquid Manganese: 2.3 L/ha (24 June, 19 July)

Cultivation: 11 July

Digging date: 7 October, 1994

**Sclerotinia algorithm test - Location B**

Location: TAREC Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville loamy sand

Crop history: peanut, 1993; corn, 1994

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting date: 2 May

Herbicides: Pre-plant
Dual 8E 1.75 L/ha + Pursuit 0.3 L/ha (15 April)

**Pre-emergence**
Dual 8E 1.75 L/ha + Pursuit 0.3 L/ha + Starfire 0.8 L/ha (9 May)

**Post-emergence**
Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (2 June)

Blazer 0.73 L/ha + Butyrac 0.58 L/ha (19 July)

Insecticides:  
Temik 15G 7.8 kg/ha (in-furrow, at planting)  
Orthene 75S 0.75 kg/ha (13 June)  
Lorsban 15G 14.6 kg/ha (8 July)  
Asana XL 0.44 L/ha (23 August)

CBR control:  
Vapam 93.6 L/ha (15 April)

Leaf spot control:  
Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (24 June, 19 July, 3 August, 24 August)

Landplaster:  
897 kg/ha (7 July)

Liquid Manganese:  
2.3 L/ha (24 June, 19 July)

Cultivation:  
11 July

Irrigation:  
3.8 cm (14 Jul)

Digging date:  
20 October, 1994

**CROP YEAR 1995**

**Plant date test**

Location:  
Tidewater Agricultural Experiment Station, Suffolk, VA

Soil type:  
Nansemond fine sandy loam
Crop history: peanut, 1993; corn, 1994
Land preparation: Moldboard plow and disk
Cultivar: NC-V 11
Planting dates: 20 April-plant date 1; 1 May-plant date 2; 9 May-plant date 3; 22 May-plant date 4
Herbicides: Pre-plant
   Dual 8E 1.75 L/ha + Pursuit 0.3 L/ha (4 April)
Pre-emergence
   Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (1 May-plant date 1, 2; 16 May-plant date 3, 4)
Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
   Lorsban 15G 14.6 kg/ha (6 July)
   Karate 0.22 L/ha (18 August)
Acaricide: Comite 2.3 L/ha (4 August)
Southern stem rot control: Folicur 3.6 F 0.53 L/ha (26 Jul)
CBR control: Vapam 93.6 L/ha (4 April)
Leaf spot control: Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (22 June, 11 July, 18 August, 12 September)
Landplaster: 897 kg/ha (27 July)
Liquid Manganese: 2.3 L/ha (22 June, 11 July)
Cultivation: 6 July
Digging date: 17 October, 1995

Sclerotinia algorithm test - Location A
Location: Tidewater Agricultural Experiment Station, Suffolk, VA

Soil type: Nansemond fine sandy loam

Crop history: peanut, 1993; corn, 1994

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 9 May

Herbicides: Pre-plant
Prowl 4 EC 2.0 L/ha + Boron 2.3 L/ha (3 April)
Dual 8E 1.75 L/ha + Pursuit 0.3 L/ha (4 April)

Pre-emergence
Dual 8E 1.75 L/ha + Starfire 0.8 L/ha + Pursuit 0.15 L/ha (16 May)

Post-emergence
Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (8 Jun)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
Lorsban 15G 14.6 kg/ha (6 July)
Karate 0.22 L/ha (18 August)

Acaricide: Comite 2.3 L/ha (4 August)

Southern stem rot control: Folicur 3.6 F 0.53 L/ha (26 July)

CBR control: Vapam 93.6 L/ha (4 April)

Leaf spot control: Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (22 June, 11 July, 18 August, 12 September)

Landplaster: 897 kg/ha (27 July)

Liquid Manganese: 2.3 L/ha (22 June, 11 July)
Cultivation: 6 July
Digging date: 17 October, 1995

**Sclerotinia algorithm test - Location B**

| Location: | TAREC Farm, Hare Rd, Suffolk, VA |
| Soil type: | Kenansville loamy sand |
| Crop history: | peanut, 1993; corn, 1994 |
| Land preparation: | Moldboard plow and disk |
| Cultivar: | NC-V 11 |
| Planting dates: | 1 May |
| Herbicides: | Pre-plant |
| | Prowl 1.4 L/ha + Boron 2.3 L/ha (12 April) |
| | Dual 8E 1.75 L/ha (21 April) |
| | Pre-emergence |
| | Dual 8E 1.75 L/ha + Starfire 0.8 L/ha + Pursuit 0.15 L/ha (9 May) |
| | Post-emergence |
| | Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (8 Jun) |
| Insecticides: | Temik 15G 7.8 kg/ha (in-furrow, at planting) |
| | Lorsban 15G 14.6 kg/ha (6 July) |
| | Karate 0.22 L/ha (18 August) |
| CBR control: | Vapam 93.6 L/ha (18 April) |
| Leaf spot control: | Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (23 June, 11 July, 31 July, 18 August, 12 September) |
Landplaster: 897 kg/ha (27 July)
Liquid Manganese: 2.3 L/ha (23 June, 11 July, 31 July)
Cultivation: 6 July
Irrigation: 3.8 cm (4 & 25 August)
Digging date: 26 October, 1995

Plant growth/canopy modification test

Location: TAREC Farm, Hare Rd, Suffolk, VA
Soil type: Kenansville loamy sand
Crop history: peanut, 1993; corn, 1994
Land preparation: Moldboard plow and disk
Cultivar: NC-V 11
Planting dates: 1 May
Herbicides: Pre-plant
  Prowl 1.4 L/ha + Boron 2.3 L/ha (12 April)
  Dual 8E 1.75 L/ha (21 April)

Pre-emergence
  Dual 8E 1.75 L/ha + Starfire 0.8 L/ha + Pursuit 0.15 L/ha (9 May)

Post-emergence
  Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (8 Jun)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
  Lorsban 15G 14.6 kg/ha (6 July)
  Karate 0.22 L/ha (18 August)

CBR control: Vapam 93.6 L/ha (18 April)
Leaf spot control: Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (23 June, 11 July, 31 July, 18 August, 12 September)

Landplaster: 897 kg/ha (27 July)

Liquid Manganese: 2.3 L/ha (23 June, 11 July, 31 July)

Cultivation: 6 July

Irrigation: 3.8 cm (4 & 25 August)

Digging date: 24 October, 1995

Protection interval test

Location: TAREC Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville loamy sand

Crop history: peanut, 1993; corn, 1994

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 1 May

Herbicides:

Pre-plant
Prowl 3.3 EC 1.4 L/ha + Boron 2.3 L/ha (12 April)
Dual 8E 1.75 L/ha (21 April)

Pre-emergence
Dual 8E 1.75 L/ha + Starfire 0.8 L/ha + Pursuit 0.15 L/ha (9 May)

Post-emergence
Basagran 1.75 L/ha + Tough 3.75 EC 0.88 L/ha + Butyrac 0.3 L/ha (9 Jun)
Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
Lorsban 15G 14.6 kg/ha (6 July)
Karate 0.22 L/ha (18 August)

CBR control: Vapam 93.6 L/ha (18 April)

Leaf spot control: Bravo 720 1.75 L/ha according to the Virginia leaf spot advisory program (23 June, 11 July, 31 July, 18 August, 12 September)

Landplaster: 897 kg/ha (27 July)

Liquid Manganese: 2.3 L/ha (23 June, 11 July, 31 July)

Cultivation: 6 July

Irrigation: 3.8 cm (4 & 25 August)

Digging date: 26 October, 1995

CROP YEAR 1996

Plant date test

Location: Tidewater Agricultural Experiment Station, Suffolk, VA

Soil type: Nansemond fine sandy loam

Crop history: peanut, 1994; corn, 1995

Land preparation: Moldboard plow and disk

Cultivar: VA-C 92R

Planting dates: 19 April-plant date 1; 1 May-plant date 2; 9 May-plant date 3; 23 May-plant date 4
Herbicides:

**Pre-plant**
- Prowl 4EC 1.2 L/ha + Pursuit 0.15 L/ha + Boron 2.3 L/ha + Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha (5 April)

**Pre-emergence**
- Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (1 May - plant date 1, 2)
- Dual 8E 1.75 L/ha (23 May - plant date 3, 4)

**Post-emergence**
- Storm 1.75 L/ha + Tough 3.75 EC 0.58 L/ha + Butyrac 0.3 L/ha (20 Jun)

Insecticides:

- Temik 15G 7.8 kg/ha (in-furrow, at planting)
- Orthene 75S 1.1 kg/ha (13 June - plant dates 1-3; 17 June - plant date 4)
- Lorsban 15G 14.6 kg/ha (1 July)

- Orthene 75S 0.56 kg/ha (19 Jul)
- Asana XL 0.3 L/ha (23 August)

Acaricide:

- Comite 2.3 L/ha (9 September)

CBR control:

- Vapam 93.6 L/ha (5 April)

Leaf spot control:

- Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 10 July, 6 August, 23 August, 9 September)

Landplaster:

- 897 kg/ha (24 June)

Liquid Manganese:

- 2.3 L/ha (20 June, 10 July, 6 August)

Cultivation:

- 21 May, 1 July

Digging date:

- 5 October, 1996

**Sclerotinia algorithm test - Location A**

Location:

- Tidewater Agricultural Experiment Station, Suffolk, VA
<table>
<thead>
<tr>
<th>Soil type:</th>
<th>Nansemond fine sandy loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop history:</td>
<td>peanut, 1994; corn, 1995</td>
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<tr>
<td>Land preparation:</td>
<td>Moldboard plow and disk</td>
</tr>
<tr>
<td>Cultivar:</td>
<td>NC-V 11</td>
</tr>
<tr>
<td>Planting dates:</td>
<td>13 May</td>
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<tr>
<td>Herbicides:</td>
<td></td>
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<tr>
<td></td>
<td><strong>Pre-plant</strong></td>
</tr>
<tr>
<td></td>
<td>Prowl 4EC 1.2 L/ha + Pursuit 0.15 L/ha + Boron 2.3 L/ha + Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha (5 April)</td>
</tr>
<tr>
<td></td>
<td><strong>Pre-emergence</strong></td>
</tr>
<tr>
<td></td>
<td>Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (20 May)</td>
</tr>
<tr>
<td></td>
<td><strong>Post-emergence</strong></td>
</tr>
<tr>
<td></td>
<td>Storm 1.75 L/ha + Tough 3.75 EC 0.58 L/ha + Butyrac 0.3 L/ha (20 June)</td>
</tr>
<tr>
<td>Insecticides:</td>
<td>Temik 15G 7.8 kg/ha (in-furrow, at planting)</td>
</tr>
<tr>
<td></td>
<td>Orthene 75S 1.1 kg/ha (17 June) + 0.56 kg/ha (19 July)</td>
</tr>
<tr>
<td></td>
<td>Lorsban 15G 14.6 kg/ha (1 July)</td>
</tr>
<tr>
<td></td>
<td>Asana XL 0.3 L/ha (23 August)</td>
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<tr>
<td>Acaricide:</td>
<td>Comite 2.3 L/ha (9 September)</td>
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<tr>
<td>CBR control:</td>
<td>Vapam 93.6 L/ha (5 April)</td>
</tr>
<tr>
<td>Leaf spot control:</td>
<td>Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 10 July, 6 August, 23 August, 9 September)</td>
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<tr>
<td>Landplaster:</td>
<td>897 kg/ha (24 June)</td>
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<tr>
<td>Liquid Manganese:</td>
<td>2.3 L/ha (20 June, 10 July, 6 August)</td>
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<tr>
<td>Cultivation:</td>
<td>21 May, 1 July</td>
</tr>
<tr>
<td>Digging date:</td>
<td>5 October, 1996</td>
</tr>
</tbody>
</table>
Sclerotinia algorithm test - Location B

Location: TAREC Research Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville loamy sand

Crop history: peanut, 1994; cotton, 1995

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 10 May

Herbicides: Pre-plant
Prowl 4EC 1.46 L/ha + Pursuit 0.15 L/ha (15 April) + Dual 8E 1.75 L/ha (17 April)

Pre-emergence
Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (20 May)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
Lorsban 15G 14.6 kg/ha (1 July)
Asana XL 0.3 L/ha (23 August)

CBR control: Metam CLR 70 L/ha (5 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 10 July, 29 July, 23 August, 16 September)

Landplaster: 897 kg/ha (24 June)

Liquid Manganese: 2.3 L/ha (20 June, 10 July, 29 July)

Cultivation: 1 July

Digging date: 14 October, 1996
**Protection interval test**

<table>
<thead>
<tr>
<th>Location:</th>
<th>TAREC Research Farm, Hare Rd, Suffolk, VA</th>
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<tbody>
<tr>
<td>Soil type:</td>
<td>Kenansville loamy sand</td>
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<tr>
<td>Crop history:</td>
<td>peanut, 1994; cotton, 1995</td>
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<tr>
<td>Land preparation:</td>
<td>Moldboard plow and disk</td>
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<tr>
<td>Cultivar:</td>
<td>NC-V 11</td>
</tr>
<tr>
<td>Planting dates:</td>
<td>10 May</td>
</tr>
</tbody>
</table>
| Herbicides: | **Pre-plant**  
Prowl 4EC 1.46 L/ha + Pursuit 0.15 L/ha (15 April) |
| Insecticides: | Temik 15G 7.8 kg/ha (in-furrow, at planting)  
Lorsban 15G 14.6 kg/ha (1 July)  
Orthene 75S 1.1 kg/ha (23 August) |
| CBR control: | Metam CLR 70 L/ha (5 April) |
| Leaf spot control: | Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 10 July, 29 July, 23 August, 16 September) |
| Landplaster: | 897 kg/ha (24 June) |
| Liquid Manganese: | 2.3 L/ha (20 June, 10 July, 29 July) |
| Cultivation: | 1 July |
| Digging date: | 21 October, 1996 |
**Plant growth/canopy test**

Location: TAREC Research Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville loamy sand

Crop history: peanut, 1994; cotton, 1995

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 10 May

Herbicides: Pre-plant
- Prowl 4EC 1.46 L/ha + Pursuit 0.15 L/ha (15 April) + Dual 8E 1.75 L/ha (17 April)

Pre-emergence
- Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (20 May)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
- Lorsban 15G 14.6 kg/ha (1 July)
- Orthene 75S 1.1 kg/ha (23 August)

CBR control: Metam CLR 70 L/ha (5 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 10 July, 29 July, 23 August, 16 September)

Landplaster: 897 kg/ha (24 June)

Liquid Manganese: 2.3 L/ha (20 June, 10 July, 29 July)

Cultivation: 1 July

Digging date: 15 October, 1996

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**Sclerotinia algorithm test - Location C**
Location: Horace King Farm, Elberon, VA

Soil type: sandy loam

Crop history: wheat/soybean, 1994; corn, 1995

Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 10 May

Herbicides:
- Pre-plant Vernam 1.75 L/ha (26 April)
- Pre-emergence Dual 8E 1.75 L/ha (18 May)
- Post-emergence Pursuit 0.3 L/ha + Storm 1.1 L/ha

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)

CBR control: Metam CLR 70.2 L/ha (26 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (13 June, 10 July, 31 July, 13 September)

Landplaster: 1121 kg/ha (1 June)

Liquid Manganese: 2.3 L/ha (10 July)

Cultivation: 25 May, 5 June, 26 June

Digging date: 22 October, 1996

Plant growth/canopy test - Southampton
Location: Kenny Edwards Farm, Branchville, VA
Soil type: loamy sand
Crop history: peanut, 1994; cotton, 1995
Land preparation: Moldboard plow and disk
Cultivar: NC-V 11
Planting dates: 3 May
Herbicides: Pre-plant
Prowl 3.3 EC 1.46 L/ha + Dual 8E 1.46 L/ha (19 April)
At-cracking
Dual 8E 1.46 L/ha
Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
CBR control: Vapam 93.5 L/ha (19 April)
Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (20 June, 11 July, 31 July, 5 September)
Landplaster: 1121 kg/ha (20 June)
Liquid Manganese: 2.3 L/ha (11 July)
Cultivation: 10 June, 20 June
Digging date: 10 October, 1996

**Plant growth/canopy test - Sussex**

Location: Craig Beale Farm, Waverly, VA
Soil type: sandy loam
Crop history: wheat/soybean, 1994; corn, 1995

Land preparation: Moldboard plow and disk

Cultivar: NC 7

Planting dates: 10 May

Herbicides: Pre-plant
Dual 8E 1.75 L/ha (18 April)

Pre-emergence
Dual 8E 1.75 L/ha + Pursuit 0.15 L/ha + Starfire 0.8 L/ha (20 May)

Insecticides: Temik 15G 5.6 kg/ha (in-furrow, at planting)

CBR control: Metam CLR 70.2 L/ha (18 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (21 June, 10 July, 6 Aug, 20 April)

Landplaster: 1121 kg/ha (1 June)

Liquid Manganese: 2.3 L/ha (10 July)

Cultivation: 16 June

Digging date: 22 October, 1996

CROP YEAR 1997

Plant date test

Location: Tidewater Agricultural Experiment Station, Suffolk, VA

Soil type: Nansemond fine sandy loam

Crop history: peanut, 1995; corn, 1996
Land preparation: Moldboard plow and disk

Cultivar: NC-V 11

Planting dates: 21 April-plant date 1; 5 May-plant date 2; 15 May-plant date 3; 28 May-plant date 4

Herbicides:

Pre-plant
Prowl 3.3 EC 1.46 L/ha + Pursuit 0.15 L/ha (3 April) Dual 8E 1.75 L/ha (7 April)

Pre-emergence
Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (12 May - plant date 1, 2)
Dual 8E 1.75 L/ha (2 June - plant date 3, 4)

Post-emergence
Storm 1.75 L/ha + Butyrac 0.6 L/ha (20 Jun)

Insecticides:

Temik 15G 7.8 kg/ha (in-furrow, at planting)
Orthene 75S 0.56 kg/ha (20 June)
Lorsban 15G 14.6 kg/ha (15 July)

Acaricide:

Comite 2.3 L/ha (9 July)

Southern stem rot control: Folicur 3.6 F 0.53 L/ha (1 August)

CBR control: Metam 93.5 L/ha (4 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (9 July, 26 August)

Landplaster: 673 kg/ha (24 June)

Liquid Manganese: 2.3 L/ha (9 July, 1 August)

Cultivation: 15 July

Digging date: 9 October, 1997
**Sclerotinia algorithm test - Location A**

**Location:** TAREC Duke Farm, Longstreet Ln, Suffolk, VA

**Soil type:** Suffolk loamy sand

**Crop history:** peanut, 1995; corn, 1996

**Land preparation:** Moldboard plow and disk

**Cultivar:** VA-C 92R

**Planting date:** 6 May

**Herbicides:**
- **Pre-plant**
  - Prowl 3.3 EC 1.46 L/ha + Pursuit 0.15 L/ha (3 April)
  - Dual 8E 1.75 L/ha (7 April)

- **Pre-emergence**
  - Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (12 May)

- **Post-emergence**
  - Butyrac 0.6 L/ha (20 Jun)

**Insecticides:**
- Temik 15G 7.8 kg/ha (in-furrow, at planting)
- Orthene 75S 0.56 kg/ha (20 June)
- Lorsban 15G 14.6 kg/ha (11 July)
- Asana XL 0.3 L/ha

**CBR control:** Metam 74.8 L/ha (4 April)

**Leaf spot control:** Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (9 July, 1 August, 26 August, 18 September)

**Landplaster:** 673 kg/ha (1 July)

**Liquid Boron**
- 2.3 L/ha (3 April)

**Manganese:**
- 2.3 L/ha (9 July, 1 August)

**Cultivation:** 11 July
Irrigation: 2.9 cm (8 September)

Digging date: 9 October, 1997

**Plant growth/canopy test**

Location: TAREC Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville fine loamy sand

Crop history: peanut, 1995; cotton, 1996

Land preparation: Moldboard plow and disk

Cultivar: VA-C 92R

Planting dates: 7 May

Herbicides:

- **Pre-plant**
  - Prowl 3.3 EC 1.46 L/ha + Pursuit 0.15 L/ha (3 April)
  - Dual 8E 1.75 L/ha (7 April)

- **Pre-emergence**
  - Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (12 May)

Insecticides:

- Temik 15G 7.8 kg/ha (in-furrow, at planting)
- Orthene 75S 0.56 kg/ha (20 June)
- Lorsban 15G 14.6 kg/ha (15 July)
- Asana XL 0.3 L/ha (12 September)

CBR control: Metam 93.5 L/ha (4 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (9 July, 31 July, 26 August, 18 September)

Landplaster: 673 kg/ha (24 June)

Liquid Boron 2.3 L/ha (3 April)
Liquid Manganese: 2.3 L/ha (9 July, 1 August)

Cultivation: 11 July

Irrigation: 2.5 cm (15 August), 2.0 cm (2 September)

Digging date: 10 October, 1997

**Protection interval test**

Location: TAREC Farm, Hare Rd, Suffolk, VA

Soil type: Kenansville fine loamy sand

Crop history: peanut, 1995; cotton, 1996

Land preparation: Moldboard plow and disk

Cultivar: VA-C 92R

Planting dates: 7 May

Herbicides: Pre-plant
- Prowl 3.3 EC 1.46 L/ha + Pursuit 0.15 L/ha (3 April)
- Dual 8E 1.75 L/ha (7 April)

Pre-emergence
- Dual 8E 1.75 L/ha + Starfire 0.8 L/ha (12 May)

Insecticides: Temik 15G 7.8 kg/ha (in-furrow, at planting)
- Orthene 75S 0.56 kg/ha (20 June)
- Lorsban 15G 14.6 kg/ha (15 July)

CBR control: Metam 93.5 L/ha (4 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (9 July, 31 July, 26 August, 18 September)
Landplaster: 673 kg/ha (24 June)

Liquid Boron 2.3 L/ha (3 April)

Liquid Manganese: 2.3 L/ha (9 July, 1 August)

Cultivation: 11 July

Irrigation: 2.5 cm (15 August), 2.0 cm (2 September)

Digging date: 10 October, 1997

**Sclerotinia algorithm and plant growth/canopy modifier test - Location B**

Location: Bill Nurney Farm, Courtland, VA

Soil type: sandy loam

Crop history: peanut, 1995; cotton, 1996

Land preparation: Disk, rip and bed

Cultivar: NC-V 11

Planting dates: 10 May

Herbicides: Pre-plant
           Dual 8E 2.3 L/ha (6 April)

             Pre-emergence
           Starfire 0.8 L/ha + Lasso 4E 1.75 L/ha (23 May)

Insecticides: Temik 15G 5.6 kg/ha (in-furrow, at planting)
             Lorsban 15G 14.6 kg/ha (15 July)

Acaricides: Capture 0.47 L/ha (22 July)
            Danitol 2.4 EC 1.0 L/ha (19 September)

CBR control: Metam 70.1 L/ha (4 April)
Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (7 July, 31 July, 27 August, 19 September)

Landplaster: 1233 kg/ha (24 June)

Liquid Manganese: 2.3 L/ha (7 July, 31 July)

Cultivation: 16 July

Digging date: 21 October, 1997

Sclerotinia algorithm and plant growth/canopy modifier test - Location C

Location: Jay Darden Farm, Statesville, VA

Soil type: sandy loam


Land preparation: Moldboard plow and disk

Cultivar: VA-C 92R

Planting dates: 10 May

Herbicides: Pre-plant
Dual 8E 1.75 L/ha + Prowl 1.75 L/ha (7 April)

Insecticides: Temik 15G 5.6 kg/ha (in-furrow, at planting)
Lorsban 15G 14.6 kg/ha (16 July)

Acaricides: Comite 2.3 L/ha (7 July)
Capture 2 EC 0.47 L/ha (22 July)
Danitol 2.4 EC 1.0 L/ha (19 September)

CBR control: Metam 70.1 L/ha (23 April)

Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (7 July, 31 July, 27 August, 19 September)
September)

Landplaster: 1569 kg/ha (20 June)
Liquid Manganese: 2.3 L/ha (7 July, 31 July)
Cultivation: 20 June
Digging date: 24 October, 1997

**Plant growth/canopy modifier test - Surry**

Location: Keith Seward Farm, Surry, VA
Soil type: loamy sand
Crop history: wheat/sorghum 1995; corn, 1996
Land preparation: Moldboard plow and disk
Cultivar: VA-C 92R
Planting dates: 12 May
Herbicides:

- **Pre-plant**
  - Dual 8E 1.1 L/ha + Pursuit 0.15 L/ha
- **Pre-emergence**
  - Dual 8E 1.1 L/ha + Pursuit 0.15 L/ha
- **Post-emergence**
  - Poast 2.3 L/ha (27 August)

Insecticides: Temik 15G 5.6 kg/ha (in-furrow, at planting)
  - Lorsban 15G 14.6 kg/ha (16 July)
Acaricides: Danitol 2.4 EC 1.0 L/ha (19 September)
Leaf spot control: Bravo Weather Stik 1.75 L/ha according to the Virginia leaf spot advisory program (30 July, 27 August)
<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tr>
<td>Landplaster:</td>
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<tr>
<td>Liquid Manganese:</td>
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<td>Cultivation:</td>
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