1987

Rates of Ally and Glean for cape tulip control.

R. Madin

J. Buckley

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Recommended Citation
TRIAL TITLE: Rates of Ally and Glean for Cape Tulip control
TRIAL NUMBER: 87N0110
OFFICERS: R. Madin, J. Buckley, APB Northam
CO-OPERATOR: R. Ludgate LOCATION: York
CROP: Pasture DATE SOWN: 
SOIL TYPE: Avon valley red BLANKET TREATMENT: brown loam - Granite soil
GROUND PREPARATION: Pasture
EXPERIMENTAL DESIGN: Randomized complete blocks. 3 replicates
PLOT SIZE: 3 m x 30 m
HARVESTING:
SPRAYING DETAILS:
SPRAYING DATE: 30/6, 6/8/1987 TIME: 3.00pm, 11.00am
EQUIPMENT: Toyota Dual Cab NOZZLE TYPE: 11015LP, 11015LP
PRESSURE: 180, 180 kPa VOLUME: 73, 70 L/ha
WIND SPEED: 0-5, 5-10 km/hr DIRECTION N-NW, E-SE
TEMPERATURES: DRY: 16°C, 18°C WET: -, 12.5°C RH: -, 53%
MOISTURE: SURFACE: Dry, Damp DEPTH: Damp, Damp
CHEMICAL: Ally, Glean, 24-D Amine, Logran
ADDITIVES: Wetting agent
CROP GROWTH STAGE:
WEED GROWTH STAGE: T1, Cape tulip 20-30 cm one and two leaf
Cape weed 15 cm
Clover 10 cm - 15 cm
Geranium 10 cm
Doublegee 10-15 cm
Barley grass Tillered
T2, Cape tulip up to 40 cm some small
Clover 20 cm
Capeweed 20 cm
Geranium 20 cm
Barley grass Running-up

-30-
TRIAL TITLE: Rates of Ally and Glean for Cape Tulip control
TRIAL NUMBER: 87NA100(1)
OFFICERS: R. Madin, J. Buckley, APB Narrogin
CO-OPERATOR: P. Whitford LOCATION: Narrogin
CROP: Pasture DATE SOWN:
SOIL TYPE: Sandy clay with BLANKET TREATMENT: gravel
GROUND PREPARATION: Pasture
EXPERIMENTAL DESIGN: Randomized complete block with 3 replicates
PLOT SIZE: 30 m x 3 m
HARVESTING:
SPRAYING DETAILS:
SPRAYING DATE: 9/7, 8/9/1987 TIME: 2.00pm, 12.30pm
EQUIPMENT: Toyota Dual Cab NOZZLE TYPE: 11015LP, 8001LP
Datsun King Cab
PRESSURE: 180, 200 kPa VOLUME: 63.5, 51 L/ha
WIND SPEED: 5-10, 0-5 km/hr DIRECTION W-SW, E-SE
TEMPERATURES: DRY: 15°C, 21°C WET: 12.5, 15°C RH: 76, 53%
MOISTURE: SURFACE: Damp, Dry DEPTH: Damp, Damp
CHEMICAL: Ally, Glean, 24-D Amine, Logran
ADDITIVES: Wetting agent
CROP GROWTH STAGE:
WEED GROWTH STAGE: T1, Cape tulip 10-30 cm high One leaf
          Clover mid-stage 10-15 cm diameter
          Geranium 10-15 cm diameter
          Guildford grass 0-10 cm high
T2, Cape Tulip early flowering
          Clover 10-20 cm diameter
          Geranium Early flowering
          Guildford grass Early flowering
TRIAL TITLE: Rates of Ally and Glean for Cape Tulip control
TRIAL NUMBER: 87NA100(2)
OFFICERS: R. Mediu, J. Buckley, APB Narrogin
CO-OPERATOR: N. Ford LOCATION: Williams
CROP: Pasture DATE SOWN:
SOIL TYPE: Red-brown loam BLANKET TREATMENT:
GROUND PREPARATION: Pasture
EXPERIMENTAL DESIGN: Randomized complete block with 3 replicates
PLOT SIZE: 30 m x 3 m
HARVESTING:
SPRAYING DETAILS:
SPRAYING DATE: 10/7, 8/9/1987 TIME: 10.00am, 11.30am
EQUIPMENT: Toyota Dual Cab PRESSURE: 180, 200 kPa
NOZZLE TYPE: 11015LP, 8001LP VOLUME: 63.5, 51 L/ha
PRESSURE: 180, 200 kPa VOLUME: 63.5, 51 L/ha
WIND SPEED: 5-10, 0-5 km/hr DIRECTION W-NW, SE-E
TEMPERATURES: DRY: 15°C, 18°C WET: 12, 14°C RH: 71, 65%
MOISTURE: SURFACE: Damp, Dry DEPTH: Damp, Damp
CHEMICAL: Ally, Glean, 24-D Amine, Logran
ADDITIVES: Wetting agent
CROP GROWTH STAGE: T1, Cape tulip up to 30 cm One leaf
WEED GROWTH STAGE: T1, Cape tulip up to 30 cm One leaf
   Clover         mid-stage
   Capeweed       15-30 cm
   Geranium       15-30 cm
   Ryegrass       Tillered
   T2, Cape tulip Pre-flowering
   Capeweed       20 cm commencing flowering
   Geranium       20 cm commencing flowering all
                  heavily grazed
TRIAL TITLE: Rates of Ally and Glean for Cape Tulip control
TRIAL NUMBER: 87NA100(3)
OFFICERS: R. Madin, J. Buckley, APB Narrogin
CO-OPERATOR: N. Francis LOCATION: Popanyinning
CROP: Pasture DATE SOWN:
SOIL TYPE: Sandy clay with BLANKET TREATMENT:
gravel
GROUND PREPARATION: Pasture
EXPERIMENTAL DESIGN: Randomized complete block with 3 replicates
PLOT SIZE: 30 m x 3 m
HARVESTING:
SPRAYING DETAILS:
SPRAYING DATE: 10/7, 8/9/1987 TIME: 1.30pm, 2.00pm
EQUIPMENT: Toyota Dual Cab NOZZLE TYPE: 11015LP, 8001LP
Datsun King Cab
PRESSURE: 180, 200 kPa VOLUME: 63.5, 51 L/ha
WIND SPEED: 5-10, 0-5 kph DIRECTION W-SW, E-SE
TEMPERATURES: DRY: 14.5, 21°C WET: 12, 14.5°C RH: 73, 49%
MOISTURE: SURFACE: Damp, Dry DEPTH: Damp, Damp
CHEMICAL: Ally, Glean, 24-D Amine, Logran
ADDITIVES: Wetting agent
CROP GROWTH STAGE:
WEED GROWTH STAGE: T1, Cape tulip 10-30 cm high One leaf

  Capeweed 10 cm diameter
  Clover mid-stage
  Geranium 10 cm diameter
  Flatweed 10 cm diameter

T2, Cape Tulip Early flowering
  Capeweed 15 cm diameter
  Clover Early flowering
  Geranium Early flowering
  Flatweed Early flowering
Rates of Ally and Glean for Cape tulip control

Treatments 87N0110, 87NA100 (1, 2 and 3)

1 Ally 3 g/ha
2 Ally 5 g/ha
3 Ally 7 g/ha
4 Glean 5 g/ha
5 Glean 10 g/ha
6 Glean 15 g/ha
7 2,4-D Amine 1.0 L/ha
8 2, 4-D Amine 2.0 L/ha
9 Logran 20 g/ha
10 Control

Comments

Assessment of plots at each site is to be made in early winter 1988.

Evaluation in 1987 indicated that Ally and Glean at all rates gave 100% control of Cape Tulip at York with minimal pasture affect on species other than clover. Measurements of Tulip establishment and pasture composition will be made in 1988 with respraying of treatments as required.

Cape Tulip control with Ally and Glean using a blanket wiper applicator

R. ludgate - Hammersley Siding - York

This trial adjoins 87N0110

<table>
<thead>
<tr>
<th>Treatments</th>
<th>Plot no.</th>
<th>Time taken to wipe 30 m plot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Ally 0.5 g/L</td>
<td>plots wiped in</td>
<td>12</td>
</tr>
<tr>
<td>2 Ally 1.0 g/L</td>
<td>one direction</td>
<td>4</td>
</tr>
<tr>
<td>3 Ally 1.5 g/L</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>4 Ally 0.5 g/L</td>
<td>plots wiped in</td>
<td>5</td>
</tr>
<tr>
<td>5 Ally 1.0 g/L</td>
<td>two directions</td>
<td>13</td>
</tr>
<tr>
<td>6 Ally 1.5 g/L</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>7 Glean 0.5 g/L</td>
<td>plots wiped in one direction</td>
<td>6</td>
</tr>
<tr>
<td>8 Glean 1.0 g/L</td>
<td>direction</td>
<td>7</td>
</tr>
<tr>
<td>9 Glean 1.5 g/L</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>10 Glean 2.0 g/L</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>11 Glean 0.5 g/L</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>12 Glean 1.0 g/L</td>
<td>plots wiped in</td>
<td>10</td>
</tr>
<tr>
<td>13 Glean 1.5 g/L</td>
<td>two directions</td>
<td>11</td>
</tr>
<tr>
<td>14 Glean 2.0 g/L</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>15 Control</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

All Treatments applied with wetter at 1%. Treatments applied August 6, 1987.
Comments

Initial assessment indicated a reasonable degree of effectiveness of treatments with good safety to clovers. Plots will be assessed in early winter and further work initiated to refine the techniques, rates etc.