Experimental Protocol

Title: Evaluation of Rates of GX261Z for Walnut Blight Control

Investigator: Bill Olson, Rick Buckner and Nadeem Shawareb

Year: 1997

Crop/Variety: Walnut/Vina

Location of Test: Chico, CA

Pest (s) Common Name: Walnut Blight

Pest (s) Scientific Name: Xanthomonas Camprostris p.v. Juglandis

Treatments:
1. Kocide 2000+Manux 6 lbs+58 oz
2. Kocide 101/Manux ----- 8 lbs + 58 oz/a
3. GX-261Z ----8 lbs/a
4. GX-261Z---- 10 lbs/a
5. GX-261Z ----- 12 lbs/a
6. Untreated

Additives:

Application Dates: 4/3; 4/11; 4/17; 4/22; 4/30; and 5/15/97

Application Equipment: Mitchell high pressure hand gun sprayer.

Spray Volume: 400 GPA (approx)

Plot Size: Single Trees

Design: Randomized complete block

Replicates: Eight

Data Taken: 6/3/97
**Results:** Treatment means are the percent blight from 1600 nuts/treatment

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Percent Blight</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOC 101/mx</td>
<td>2.36 a</td>
</tr>
<tr>
<td>KOC 2000/mx</td>
<td>2.60 a</td>
</tr>
<tr>
<td>GX-2612-12#</td>
<td>3.16 a</td>
</tr>
<tr>
<td>GX-2612-8#</td>
<td>3.94 a</td>
</tr>
<tr>
<td>KOC 101</td>
<td>4.53 a</td>
</tr>
<tr>
<td>GX-2612-10#</td>
<td>4.57 a</td>
</tr>
<tr>
<td>Untreaded</td>
<td>13.59 b</td>
</tr>
</tbody>
</table>

A.Protocol.1

1 Treatment means not followed by a common letter are significantly different at the 5% level by LSD.

Due to the relatively low incidence of walnut blight in 1997 all treatments are comparable and superior to the untreated check.