FIELD SOIL AMENDMENT TRIAL WITH GRAPE

RESEARCH COOPERATORS

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TRIAL OBJECTIVE

To test the consequences to nutrition, growth, and water stress of soil amendment modification of the soil zone drip emitters of wine grapes.

EXPERIMENTAL – DESIGN

<table>
<thead>
<tr>
<th>Crop:</th>
<th>Wine grapes</th>
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<tbody>
<tr>
<td>Variety:</td>
<td>Merlot on SO4 rootstock</td>
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<td>Location:</td>
<td>Ag Canada Summerland Research Centre</td>
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<td>Experimental Design:</td>
<td>Six (6) single vine replicates</td>
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<td>Planting Detail:</td>
<td>New vines planted June 6, 2001</td>
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<td>Humic Applications:</td>
<td>June 7-8, 2001 in excavated planting hole beneath drip emitters</td>
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<td>Measurement:</td>
<td>November 2, 2001</td>
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EXPERIMENTAL – TREATMENTS

1) Check – no amendments

2) Black Earth Dry Soluble 80 – 4 g. per kg of field moist soil

3) Zeolite amendment applied at rate of 50:50 weight of field moist soil

4) Combination amendment, zeolite applied as treatment three (3), Black Earth Dry Soluble 80, 4 g per kg of fine grained zeolite.

CERTIFICATIONS

Black Earth Humic products are:
» Listed by OMRI
» Registered with CFIA
» Certified for use for NOP
» Certified by the CDFA

OMRI Listed
CFIA:ACIA

b l a c k e a r t h
RESULTS

Treating soil beneath drip emitters shows promise as a planting time amendment for grape. It is thought that the Black Earth may improve soil watering holding capacity and thus increase resistance to water stress.