



ONE PRODUCT, TRIPLE CONTROL
FUNGICIDE + INSECTICIDE + MITICIDE



Organic & Effective Control for Major Diseases and Insects. Registered for use on HEMP!

- RANGO is a plant-derived broad-spectrum biopesticide for the control of insects and diseases in organic and conventional operations.
- RANGO is a high quality, 70% cold press neem oil containing over 150 active limonoids including azadirachtin.
- RANGO is OMRI-Listed for use in organic agriculture. It is also classified as a "NC" FRAC Code – no known resistance and can be used as part of integrated pest management (IPM) programs.



Superior Stability



Premium formulation of cold-pressed Neem oil with suspension stability for over 48 hours.

Multiple Modes of Action



RANGO™ controls pests on contact or by ingestion. Works as an antifeedant, insect repellent, and fungal growth inhibitor

Flexibility



Apply up to harvest
4-hour REI
0-day PHI.

RATES AND RECOMMENDATIONS

• Foliar rates

- Apply RANGO in a volume of water that ensures thorough coverage of the crop at a concentration between **0.625% v/v and 1.8% v/v up to a maximum rate of 6 quarts per acre.**
- Insecticide and Miticide Foliar Applications Only: Use a concentration of 0.625 - 1.25% v/v for normal pest and crop conditions. Use a concentration of 1.8% v/v for heavier infestations.
- Fungicide Foliar Applications Only: Use a concentration of 1.25 - 1.8% v/v.

KEY INSECTS & DISEASES

- Aphids
- Leafhoppers
- Mites
- Thrips
- Lepidoptera species (worms)
- Botrytis
- Powdery mildew
- Downy mildew
- Leaf spots
- Stem rots

DILUTION TABLE FOR FOLIAR APPLICATIONS
(20 to 100 gallons per acre)

Gallons of water	0.625% v/v	1.25% v/v	1.8% v/v
20	16 fl oz	32 fl oz	46 fl oz
25	20 fl oz	40 fl oz	58 fl oz
50	40 fl oz	80 fl oz	116 fl oz
75	60 fl oz	120 fl oz	173 fl oz
100	80 fl oz	160 fl oz	230 fl oz

Try RANGO today!

For more information visit <https://info.terrameraagriculture.com/tryrango/hemp>
or contact your territory manager at **360.988.3850** or **Shannon.nauss@terramera.com**





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MIXING INSTRUCTIONS

Shake the container well before use

RANGO™ is an emulsifiable concentrate and requires only water for the appropriate use dilution. Additional surfactant is not required.

To achieve an optimal suspension/emulsion, follow the steps below:

1. Mix RANGO™ at a 1:1 ratio with warm water and bring to suspension.

2. Add this solution to a spray tank half-filled with temperate water and agitate.

3. Fill spray tank with temperate water (>45°F) up to final spray volume and agitate.

- Add RANGO™ to a clean spray tank half-filled with water and agitate.
- Next, add additional water to final spray volume, while maintaining continuous agitation.
- Best results are achieved by using a spray water with a temperature of 45°F or warmer.
- If water temperature is below 45°F, achieve a good emulsion by premixing RANGO™ at 1:1 ratio with tepid water, add to half-filled spray tank, agitate, then fill to final spray volume.
- Agitate continuously during mixing and application to prevent separation of the emulsion. Inadequate agitation can cause a non-uniform dilution resulting in crop injury and/or reduced efficacy.
- Always use the spray solution promptly after mixing and do not allow mixture to sit for extended periods of time. If allowed to sit, agitate thoroughly before resuming application.
- The recommended pH range of the spray water is between 5.5 – 7 for optimal performance. If needed, adjust by adding a pH modifier.
- Neem oil can solidify at temperatures below 60°F. If solidified, thaw the product by setting out in temperatures over 80°F and agitating well before mixing with water.
- For optimal emulsion, do not use cold water (less than 45°F).
- **Repeat application if it rains within 4 hours of spraying.**
- **Do not apply with any sulfur or sulfur containing products within 14 days of RANGO application.**

Refer to the product label for list of crops, pests, and application information. Always read and follow label directions and precautions. RANGO™ is a registered trademark of Terramera, Inc. EPA Reg. No. 88760-10.

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