



RanMan[®] 400SC

Fungicide

Brand Name: RanMan[®] 400SC. Now Registered
Active Constituent: Cyazofamid 400 g/L
Group: 21 – cyanoimidazole chemical class
Target Crops: Potatoes, Broccoli
Target Disease: Late Blight, White Blister

Expected Launch: Q3 /4 2015

Features and Benefits

Highly Active

- RanMan's active ingredient is highly active on Oomycetes fungi. Low application rates are required to produce excellent fungicide protection and have a lower recommended rate than existing fungicides in this market.

Excellent Fungicide Protection

- RanMan is a contact fungicide, which is classified as a protectant with anti-sporulation effects and has limited systemic activity. It can be applied as a foliar treatment.

Resistance Management

- RanMan provides growers with a much-needed novel mode of action for resistance management as an alternative to existing fungicides.
- There is no documented cross-resistance of RanMan with existing fungicides
- RanMan should be part of a disease management program that includes alternate sprays of fungicides with differing modes of action.

Reduced Risk Chemistry

- The active ingredient in RanMan has minimal to moderate acute toxicity in acute oral, dermal and inhalation tests. It has minimal irritation to eyes and skin, and is a weak dermal sensitizer.

IPM Friendly

- Safe on beneficials
- Safe on all crops
- Low environmental burden
- Excellent toxicological profile
- Suitable to IPM & IRM programs

Mode of Action

- RanMan affects the Respiration of the disease and is classified as the only FRAC Group 21 – Chemical Family Group, cyanoimidazole.
- RanMan is a limited systemic protectant fungicide with translaminar activity. Its biochemical mode of action is the inhibition of all stages of fungal development
- RanMan provides long duration control (10 – 14 days), which translates into lower number of sprays. So it provides economical control.



Recommended Rates – Crops and Disease

Crop	Disease	Rate	WHP	Timing
Potato	Late Blight <i>Phytophthora infestans</i>	150-200 ml/ha	7	When conditions favour disease development apply consecutive sprays of Ranman 400 SC at 7 to 10 day intervals. DO NOT wait for disease to appear. Use the shorter interval when disease pressure is severe. Ensure thorough coverage of plants. The total number of Ranman 400 SC applications per season should not exceed 6. When applying Ranman 400 SC consecutively, apply a maximum of 3 consecutive sprays, then switch to a fungicide of another chemical group. Apply Ranman 400 SC in 250 L to 600 L water per hectare
Broccoli	White Blister <i>Albugo candida</i>	150-200 ml/ha	0	When conditions favour disease development apply consecutive sprays of Ranman 400 SC at 7 to 10 day intervals. DO NOT wait for disease to appear. Use the shorter interval when disease pressure is severe. Ensure thorough coverage of plants. The total number of Ranman 400 SC applications per season should not exceed 6. When applying Ranman 400 SC consecutively, apply a maximum of 3 consecutive sprays, then switch to a fungicide of another chemical group. Apply Ranman 400 SC in 250 L to 800 L water per hectare.

Rainfast: 2 hours

Proposed Package Size: 1L and 5L

Continued Label Extension and Trial Work: brassica, grapes, onions (allium) - downy mildew, spinach – downy mildew, Poppies – systemic downy mildew, Carrots – pythium ssp. and more....

Positioning:

RanMan will be positioned for use in rotation with Amistar[†], Ridomil Gold Plus[†] as Acrobat[†]- in combination with mancozeb (current APVMA permit PER14598) based on the following:

- ✓ New preventative chemistry against albugo / white blister and late blight
- ✓ New mode of action
- ✓ Effective on all stages pathogen life cycle
- ✓ Will have short WHP

Recommendation: 2-3 consecutive sprays 7 – 10 days apart.

RanMan[®] 400SC Fungicide - to be sold only via selected Accredited Retail Agents.