



# Greenhouse Strawberries in Canada

*Solutions for organic or conventional greenhouse production*

BioWorks delivers reliable biological solutions to control pests, prevent disease and improve plant health. For organic and conventional production, BioWorks products help you improve yield and grow the highest quality strawberries.

| PEST/DEFICIENCY   | CROP STAGE  |                    |           |         |
|---|---|--------------------|-----------|---------|
|   | TRANSPLANTING   | VEGETATIVE         | FLOWERING | HARVEST |
| <b>DISEASES</b><br>Soilborne Diseases<br>Fusarium spp.,<br>Phytophthora spp.,<br>Pythium spp.,<br>Rhizoctonia spp.  | RootShield PLUS <sup>+</sup> WP, RootShield PLUS <sup>+</sup> G |                    |           |         |
|   |   | MilStop, SuffOil-X |           |         |
|   |   | RootShield HC      |           |         |
| <b>INSECTS / MITES</b><br>Aphids  | SuffOil-X   |                    |           |         |
|   | SuffOil-X   |                    |           |         |
| <b>NUTRITION</b><br>Enhance nutrient uptake<br>Increase stress tolerance<br>Support flowering and fruit development | ON-Gard   |                    |           |         |
|   | ON-Gard CALCIUM   |                    |           |         |
| Enhance calcium uptake<br>Calcium (Ca) deficiency   | ON-Gard CALCIUM   |                    |           |         |

|                 | PRODUCT                          | REI,<br>PHI         | ORGANIC<br>INPUT | PEST/DEFICIENCY  | RECOMMENDED RATE   | TYPE OF APPLICATION   |
|-----------------|----------------------------------|---------------------|------------------|--|--|---|
| DISEASES        | RootShield® PLUS <sup>+</sup> WP | 4-hour,<br>0-day    | Yes              | Root rot and damping off caused by: Pythium spp., Rhizoctonia spp., Fusarium spp., Phytophthora spp. | 30-60 g in 100 L of water applied to 10 m <sup>2</sup> of soil/potting mix surface | Apply immediately after planting. A second application may be made after 8-10 weeks if the disease is expected. When disease pressure is high, use the highest rate and shortest interval.  |
|                 | RootShield® PLUS <sup>+</sup> G  | 0-hour,<br>0-day    | Yes              |  | 600-1200 g of product per m <sup>3</sup> of soil/potting mix                       | Apply immediately before planting. Mix uniformly into the soil/potting mixture. When disease pressure is high, use the highest rate.  |
|                 | MilStop®                         | 4-hour,<br>0-day    | Yes              | Powdery Mildew   | 0.28-0.56 kg per 1000 m <sup>2</sup>   | Spray at 7-14 day intervals until conditions are no longer favorable for disease. MilStop is pre-formulated with surfactants; no need to add them. Do not lower pH of spray solution.   |
|                 | RootShield® HC                   | 4-hour,<br>0-day    | Yes              | Botrytis cinerea   | 10 g per L of water  | Apply to foliage and blossoms every 7-14 days depending upon disease pressure.  |
| INSECTS / MITES | SuffOil-X®                       | 12-hour,<br>12-hour | Yes              | Spider Mites, Aphids; Powdery Mildew   | 13 L per 1000 L of water   | Apply at 10-14 day intervals, depending on pest pressure. Do not spray more than 8X per year. DO NOT use in combination with or immediately before or after spraying with any product containing sulphur. Avoid spraying when temperature is > 33-35°C or humidity is > 90%. Greenhouse strawberry varieties may vary in their tolerance to mineral oil; test a small area of each variety prior to widespread use. |
|                 |                                  |                     |                  |  |  |   |
| NUTRITION       | ON-Gard® (5-0-0)                 | N/A                 | Yes              | Nutrition supplement and stress tolerance  | Foliar spray rate:<br>250 mL - 2.0 L/100 L<br>Drench rate:<br>250 mL - 2.5 L/100 L | Foliar application or fertigation. Apply every 15 days. Compatible with other fertilizers.  |
|                 | ON-Gard® CALCIUM (1-0-0 + 5% Ca) |                     | Yes              | Calcium (Ca) deficiency  | Foliar spray:<br>250-500 mL /400 L   | Weekly foliar spray to prevent Ca deficiency  |

Please refer to product labels for complete application instructions. Always read and follow label directions. See BioWorks website for current organic certifications: [bioworksinc.com](http://bioworksinc.com).

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