

2014-04-01

2013-1948

**TAEGRO™ BIOFUNGICIDE**  
For Agricultural, Outdoor, and Greenhouse Uses

**COMMERCIAL  
WETTABLE POWDER**

GUARANTEE: *Bacillus subtilis* var. *amyloliquefaciens* Strain FZB24.....1.0 x 10<sup>10</sup> colony forming units/g

REGISTRATION NO: 30720 PEST CONTROL PRODUCTS ACT

**WARNING - EYE AND SKIN IRRITANT  
POTENTIAL SENSITIZER**

**Net Contents \_\_\_\_\_**

Novozymes BioAg Limited  
3935 Thatcher Avenue  
Saskatoon, Saskatchewan, Canada  
S7R 1A3  
1-888-744-5662

Manufactured:  
Batch

dd-mm-year  
Code/Expiry Date: XXXX/dd-mm-year

**READ THE LABEL BEFORE USING**

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. May cause sensitization. Keep away from food, drink and animal feed.

Causes eye and skin irritation. DO NOT get in eyes or on skin. Avoid contact with clothing. Avoid breathing dust.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes and socks, eye goggles, and a dust-mist filtering respirator/mask (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator/mask with any N-95, R-95, P-95 or HE filter. Wash thoroughly with soap and water after handling. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS:** To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body. For guidance contact the Provincial Regulatory Agency.

**FIRST AID:**

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

## **DIRECTIONS FOR USE**

**GENERAL:** Taegro is a fungicide used for suppression of bottom rot on lettuce (greenhouse, field) and late blight on tomato (greenhouse, field) as well as for partial suppression of fusarium wilt on greenhouse cyclamen and fusarium head blight on wheat.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters.

### **APPLICATION AND MIXING INSTRUCTIONS:**

**Re-entry interval: 0 hours**

**Pre-harvest interval: 0 hours**

Taegro must be pre-mixed thoroughly with water to assure a properly distributed suspension. The required amount of Taegro should be added slowly into the spray tank during filling. With concentrate sprays, pre-mix the required amount of Taegro in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. The addition of a non-ionic surfactant is recommended. If mix water pH is less than 5 or greater than 8, pH adjustment and buffering may improve suspension. Apply content of entire suspension within a few hours of mixing to ensure viability of Taegro.

### **COMPATIBILITY**

Taegro is compatible with many commonly used plant protection products and fertilizers, but has not been evaluated with all potential combinations of products that might be in tank mixes. To ensure compatibility, conduct a jar test by mixing proportionally scaled down quantities of the desired tank mix components in proportional amount of water. Add wettable powders first (the addition of a non-ionic surfactant is recommended at this point), followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the mix stays in solution or re-suspends, it is physically compatible. If possible, spray the jar mix on a small section of crop to confirm crop safety of the mix.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing. Test the combination on a small portion of the crop to be treated to ensure that a phyto-toxic response will not occur as a result of application.

**Drench application:** Apply Taegro to seedlings or to newly rooted cuttings. Drench plants with the Taegro suspension making sure the root system is thoroughly soaked, allowing Taegro to work into the root zone. Continue applications at 7-day intervals when conditions are conducive to disease development, as follows:

- Per 100 litres of water – By weight use 20 grams of Taegro
- Per 1 litre of water – By weight use 0.2 grams of Taegro

Follow the general mixing instructions in this booklet to ensure a properly distributed suspension.

CROP	DISEASE	APPLICATION	RATE
Cyclamen (greenhouse)	Fusarium wilt ( <i>Fusarium oxysporum f. sp. cyclamidis</i> )	Drench	20 g / 100 L water

**Foliar application:** Apply Taegro to wheat at early flowering. Mix 256 grams of Taegro in 187 L of water which will treat up to one hectare. Follow the general mixing instructions in this booklet to ensure a properly distributed suspension. Follow spray equipment manufacturer's instructions to obtain adequate coverage with minimal plant runoff. Continue applications at 7-day intervals when conditions are conducive to disease development. Taegro must be used in conjunction with IPM practices in order to adequately manage mycotoxin levels in wheat kernels.

CROP	DISEASE	APPLICATION	RATE
Wheat	Fusarium Head Blight ( <i>Fusarium graminearum</i> )	Foliar	256 g/ha

**Application directed to plant base:** Mix 190 grams of Taegro in 935.4 L of water which will treat up to one hectare. Follow the general mixing instructions in this booklet to ensure a properly distributed suspension. Applications should be made to the plant base and soil/growing medium surface to protect the contact between the soil/growing medium and leaf tissue as the lettuce develops. Continue applications at 7-day intervals when conditions are conducive to disease development. Water-in Taegro immediately after application.

CROP	DISEASE	APPLICATION	RATE
Lettuce (greenhouse and field)	Bottom rot ( <i>Rhizoctonia solani</i> )	Plant base drench	190 g/ ha

**Foliar application:** Mix 364 grams of Taegro in 935.4 L of water which will treat up to one hectare. Follow the general mixing instructions in this booklet to ensure a properly distributed suspension. Apply after emergence as a foliar spray. Continue applications at 7-day intervals when conditions are conducive to disease development.

CROP	DISEASE	APPLICATION	RATE
Tomato (greenhouse and field)	Late Blight ( <i>Phytophthora infestans</i> )	Foliar	364 g/ ha

**STORAGE:** Keep in original container during storage. Store product in a, dry, well-ventilated place away from seed, feed, fertilizer or other pesticides. Keep away from direct sunlight, fire or open flame, or other source of heat.

Taegro consists of living microbes. Store at temperatures between 4 °C and 35°C, and use by the expiry date noted on the label, i.e., within 3 years of the date of manufacture. . Do not freeze. Close opened packages tightly.

**DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer or the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.