Bio-Effluent Management

Biological treatment systems can be used to treat various types of wastewater, including bio-reactor systems, bio-filtration systems, and wetlands. These systems use microorganisms and plants to break down organic matter and treat pollutants. The effectiveness of these systems depends on factors such as the type of pollutant, the concentration of pollutants, and the design and operation of the system.

Biological treatment systems are generally more cost-effective and have lower energy requirements compared to physical and chemical treatment systems. They can also help improve water quality by removing nutrients and other pollutants from watershed systems. However, biological treatment systems may require more ongoing maintenance and monitoring compared to physical and chemical treatment systems.

In conclusion, biological treatment systems can be an effective option for treating wastewater in a sustainable and environmentally friendly manner. However, it is important to consider the specific needs and conditions of each system to ensure optimal performance and compliance with regulations.
NOTICE TO AGRICULTURAL PROFESSIONALS

1. Remove all excess treated seed. Left over treated seed may be double-sown around the
perimeter of the affected area to act as a source of seedborne disease pressure.

2. Do not graze or feed soybean forage and hay to livestock.

3. Foliar spray of clothianidin can be applied 45 days after planting

4. Do not apply more than 0.2 lbs of Metalaxyl per acre to the same crop or
injury to the same crops to which this product is applied, lack of control of the target pests to this product.

5. Use a certified applicator to apply the product in accordance with these instructions.

6. Follow all directions for use, including the application rate, and sudden release

7. Do not spray or use the product if there is evidence of disease or pest pressure.

8. Do not use treated seed for feed, food or oil processing.

9. Do not use treated seed in any other crop that may be planted in the same field

10. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

11. Do not handle treated seed with bare hands.

12. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.

13. Use a certified applicator to apply the product in accordance with these instructions.

14. Do not spray or use the product if there is evidence of disease or pest pressure.

15. Do not use treated seed for feed, food or oil processing.

16. Do not use treated seed in any other crop that may be planted in the same field

17. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

18. Do not handle treated seed with bare hands.

19. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.

20. Use a certified applicator to apply the product in accordance with these instructions.

21. Do not spray or use the product if there is evidence of disease or pest pressure.

22. Do not use treated seed for feed, food or oil processing.

23. Do not use treated seed in any other crop that may be planted in the same field

24. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

25. Do not handle treated seed with bare hands.

26. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.

27. Use a certified applicator to apply the product in accordance with these instructions.

28. Do not spray or use the product if there is evidence of disease or pest pressure.

29. Do not use treated seed for feed, food or oil processing.

30. Do not use treated seed in any other crop that may be planted in the same field

31. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

32. Do not handle treated seed with bare hands.

33. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.

34. Use a certified applicator to apply the product in accordance with these instructions.

35. Do not spray or use the product if there is evidence of disease or pest pressure.

36. Do not use treated seed for feed, food or oil processing.

37. Do not use treated seed in any other crop that may be planted in the same field

38. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

39. Do not handle treated seed with bare hands.

40. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.

41. Use a certified applicator to apply the product in accordance with these instructions.

42. Do not spray or use the product if there is evidence of disease or pest pressure.

43. Do not use treated seed for feed, food or oil processing.

44. Do not use treated seed in any other crop that may be planted in the same field

45. This seed has been treated with INOVATE Pro Seed Protectant which contains clothianidin,
metalaxyl and ipconazole.

46. Do not handle treated seed with bare hands.

47. Do not use augers used for handling treated seed to move seed for feed, food or oil processing.
**INOVATE Pro Seed Protectant**

**PRODUCT INFORMATION**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount Used in Seed per Seed Count</th>
<th>Amount of Seed Count per Acre</th>
<th>Rate Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clothianidin</td>
<td>1 mg</td>
<td>3000 seeds per pound</td>
<td>0.0822 mg ai/seed</td>
</tr>
<tr>
<td>Ipconazole</td>
<td>0.06 mg</td>
<td>3000 seeds per pound</td>
<td>0.0021 mg ai/seed</td>
</tr>
<tr>
<td>Metalaxyl</td>
<td>0.06 mg</td>
<td>3000 seeds per pound</td>
<td>0.0021 mg ai/seed</td>
</tr>
</tbody>
</table>

**SAFE HANDLING INSTRUCTIONS**

- Ingestion: pregnant or nursing women should not use this product.
- Inhalation: do not breathe dust or mists. Wear a respirator with a particulate filter.
- Skin: avoid contact with skin.
- Dust: avoid ingesting dust or mist. Use dust control equipment such as local exhaust.

**PACKAGING INFORMATION**

- Shelf life: 3 years from manufacture date.

**TANK MIXING INSTRUCTIONS**

- Use Pro Seed Protectant to seed is required for best protection.

**PRODUCT PERFORMANCE**

- **Crop Performance:**
  -抵抗害虫：Pro Seed Protectant通过抑制害虫的生长和繁殖来保护种子。
  -抗真菌：Pro Seed Protectant对由PPM引起的真菌病害提供保护。
  -抗生物：Pro Seed Protectant为种子提供生物防护。

**LIMITED WARRANTY**

- Valent warrants only that this product conforms to the chemical description on the label, and to the extent consistent with applicable law and as set forth above, to the exclusion of all other warranties, including any warranty of merchantability or fitness for a particular purpose.

**CONTACT INFORMATION**


**DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY**

- This product is sold “as is” and Valent, its suppliers, owners or distributors disclaim all warranties, express or implied, of any nature and kind, including, but not limited to, the warranty of merchantability and the warranty of fitness for a particular purpose.

**NOTICE**

- The information contained in this document is intended for use in agronomic practice.

**TRADEMARK ACKNOWLEDGEMENTS**

- Valent uses the term “pesticide” to refer to a product that is regulated by the U.S. Environmental Protection Agency (EPA).

**LEGAL DISCLAIMER**

- The information contained in this document is intended for use in agronomic practice and is subject to change without notice.

**REFERENCES**

- For further information, you may contact Valent U.S.A. Corporation at 800-892-0099.

**DISPOSAL AND STORAGE**

- Store in a cool, dry place.

**ENVIRONMENTAL HAZARDS**

- This product is toxic to bees, mammals, and aquatic organisms. Do not apply closer to water sources than specified in the label. Do not contaminate water by washing or cleaning equipment. Drug bin, or by disposing of any contaminated waste or debris. Use appropriate storage and disposal procedures to prevent contamination of ground waters. If the product is spilled, use appropriate washing procedures to prevent contamination of ground waters. Do not burn in a residential area. For further information, you may contact Valent U.S.A. Corporation at 800-682-5368.

**PHYSICAL PROPERTIES**

- Color: black.

**STORAGE**

- Store at 30°F to 80°F (−1°C to 27°C). Protect from freezing.

**REGULATORY STATEMENTS**

- EPA Est. No. 89332-GA-002

**KEEP OUT OF REACH OF CHILDREN**

- CAUTION

**INSTRUCTIONS FOR INITIAL USE AND SAFETY**

- Carefully read all instructions before using this product.

**END USER RESPONSIBILITY**

- End users must read, understand, and follow all label instructions and warnings before using this product. Any violation of these instructions may lead to the loss of warranty.

**REPLACEMENTS FOR VIRTUAL GOODS**

- Pro Seed Protectant provides enhanced protection against a wide range of both diseases and weeds.

**PROTECTION AGAINST INSECT PESTS**

- **Overall Protection:**
  - Prevents damage to crops.
  - Increases yield and profitability.

**USE SAFETY RECOMMENDATIONS**

- Read the label for instructions before using this product.

**SAFETY DATA SHEET**

- Chemical Name: Methyl 2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl) cyclopentanol (Pro Seed Protectant)

**END USER RESPONSIBILITY**

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