

Frequently Asked Questions

1. What is SERENADE ASO?
 - a. SERENADE ASO is a fungicide for controlling Bacterial and Fungal pathogens. Powered by a complex biochemistry of *Bacillus subtilis* (QST 713) SERENADE ASO effectively attacks spores to prevent infections.
2. Where can I find a SERENADE ASO label?
 - a. SERENADE ASO labels can be found at AgraQuest's web site (www.agraquest.com) or our national supplier: United Agri Products- Canada (www.uap.ca).
3. What does SERENADE ASO do?
 - a. SERENADE ASO controls diseases on a wide variety of row crops including Legumes, and other specialty crops. SERENADE ASO is a broad spectrum fungicide and can control Sclerotinia, Botrytis and Mildew. (Always follow the label instructions.)
4. How effective is SERENADE ASO?
 - a. SERENADE ASO is an effective tool that has been validated in trials across Canada and the world to control various diseases on a wide range of crops. To date, SERENADE ASO has been in over 1500 field trials, with a proven success for control of Sclerotinia and various other diseases. The unique active ingredient, *Bacillus subtilis*, makes SERENADE ASO an effective tool for to minimizing disease in the fields and increasing yields.
5. Why does the Canadian label differ from the U.S. label?
 - a. The Canadian label differs from the U.S. label because the efficacy trials completed to date have not met the guidelines of the Canadian PMRA registration process. AgraQuest has made a commitment to expand the SERENADE ASO label to be as broad as possible in the Canadian market. This will require more field trials and we will strive to work with regional scientists to develop the necessary information to increase our current label.
6. What role does SERENADE ASO play in resistance management?
 - a. As with any product that has a unique mode of action, SERENADE ASO can help with resistance issues by preventing diseases from developing ways to combat single site synthetic products. SERENADE ASO works best when used in a program approach with other chemistries throughout the growing season to decrease the chance of resistance for all products on that particular crop.
7. What is the likelihood that pathogens will develop a resistance to SERENADE ASO?
 - a. SERENADE ASO has over 32 different chemical compounds that must be overcome to induce resistance. This makes it a great tool for growers to utilize to create an effective Integrated Pest Management (IPM) system by including SERENADE ASO.
8. Can SERENADE ASO be used as a tank mix?
 - a. Currently there are no registered tank mixes approved for SERENADE ASO. The grower can tank mix products that are registered for the same crop at their own risk. AgraQuest is in the process of completing the necessary research to add specific tank mix options to provide the grower with the best alternative for controlling disease.

FAQ Continued

9. What crops are on the SERENADE ASO label?
 - a. SERENADE ASO is registered for use on a wide variety of crops, but is mainly targeted at row crops such as Dry Beans and other pulse crops.
10. What should the pH be in the spray tank?
 - a. It is recommended to keep the pH of the spray tank between 4.5 and 8.5.
11. What temperature range can the water be in the spray tank?
 - a. It is recommended to keep the temperature of the spray tank below 35C (95F).
12. Once mixed into the spray tank, how soon does it need to be applied?
 - a. Once SERENADE ASO is in a solution with agitation, the tank should be sprayed within 24 hours.
13. Does SERENADE ASO need to be alive to be effective?
 - a. SERENADE ASO is formulated to be mixed in a spray tank and provide growers with effective disease control. The spores are at a senesced state and the byproduct of the spores (lipopeptides) help provide superior disease control.
14. How long does SERENADE ASO last once applied?
 - a. SERENADE ASO is effective at preventing disease for 7-14 days depending on weather and disease pressure.
15. How should a partially used container of SERENADE ASO be stored?
 - a. To retain optimal physical properties of SERENADE ASO it is recommended to use the entire container once opened. If storage of an opened jug is needed it is recommended to store it in a contained, dry environment, in accordance with local laws, to prevent contamination.
16. Can SERENADE ASO be used in organic production?
 - a. SERENADE ASO is an organic product and is Organic Material Review Institute (OMRI) listed and National Organic Program (NOP) approved. AgraQuest's production facilities are certified each year by the Institute for Marketecology (IMO).
17. How close to harvest can SERENADE ASO be applied?
 - a. SERENADE ASO can be applied up to and including the day of harvest.
18. Where can I purchase SERENADE ASO?
 - a. SERENADE ASO can be purchased from many dealers and distributors across Canada.
For more information please contact UAP- CANADA
 - i. UAP-Western Canada: 1-800-561-5444
 - ii. UAP-Eastern Canada: 1-800-265-5444
 - iii. UAP-French Canada:: 1-800-361-9369
19. What package sizes are available?
 - a. SERENADE ASO is currently available in a 9.46 Liter Container (2.5 gal). There are 2 containers per shipper case.
20. Can SERENADE ASO be applied by air or chemigation?
 - a. SERENADE ASO is not currently registered for use by air or chemigation applications. It can only be used in Canada by use of ground application equipment.

CONTACTS

West: 800-561-5444

ON & Mar: 800-265-5444

Quebec: 800-361-9369

BC: 604-534-8815

www.uap.ca

