

# **SOYBEAN - RUST**

## General Information

### GENERAL PRECAUTIONS AND RESTRICTIONS

Apply only during alternate years in fields adjacent to aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds and estuaries. This product must not be applied within 150 feet (for aerial and air-blast applications), or 25 feet (for ground applications) from the aquatic areas listed above unless there is an untreated buffer area of that width between the area to be treated and the water body.

Do not use in greenhouses or other enclosed areas.

### INTEGRATED PEST MANAGEMENT

Muscle ADV is a combination of systemic and contact fungicides with two different modes of action. Muscle ADV is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. Muscle ADV is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting and disease forecasting systems which reduce unnecessary applications of pesticides.

### FUNGICIDE RESISTANCE MANAGEMENT

Muscle ADV is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk from disease resistance exhibit a single-site mode of fungicidal action. The chlorothalonil in Muscle ADV is a multi-site mode of action and may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your federal or state Cooperative Extension Service representatives for guidance on the proper use of Muscle ADV in programs which seek to minimize the occurrence of disease resistance to other fungicides.

### Limitations, Restrictions, and Exceptions

## SOYBEAN - RUST

### Application Directions:

The Chlorothalonil component of Muscle ADV enhances the control of Rust (*Phakopsora pachyrhizi*). At the first sign of rust pustules on foliage make a spray application of this product. If environmental conditions are favorable to continued disease development, make a second application after 14 to 21 days dependent upon the severity of disease pressure. Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 5 gallons of spray suspension per acre by aircraft.

### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

### Pre-Harvest Interval

42 days

### Rates

[field rates 0](#)

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### Restricted Entry Interval

12 hours

### Timings

[At the first sign of rust pustules on foliage.](#)