

# MAXIMIZE METAM PERFORMANCE WITH **AD-SORB RST**®

**AD-SORB RST** is a soil surfactant that enhances water and fumigation infiltration and penetration. Formulated with several key active ingredients, **AD-SORB** is formulated to:

- ✓ **Increase irrigation efficiency**
- ✓ **Increase moisture retention**
- ✓ **Enhance water infiltration and water distribution in the field**
- ✓ **Improve efficiency with hydrophobic, difficult-to-irrigate soils**

## KEY INGREDIENTS

Flash wetter

Co-polymer surfactant

Reverse block co-polymer surfactant

## BENEFITS

Helps eliminate moisture surface tension

Soil moisture retention

Rewets for 4-6 weeks

## Higher Yields and Better Quality Spuds

Trials to determine if adding a wetting agent, like **AD-SORB RST**, during soil fumigation benefited application were completed over four years. The study was conducted by Dr. Saad Hafez, nematologist at the University of Idaho Research and Experiment Center in Parma, ID. When **AD-SORB RST** was added to Metam CLR™, substantial yield and quality increases were observed. The table to the right highlights the results of 29 cwt increase when added at a rate of 2 quarts per acre, and 70 cwt when added at a rate of 4 quarts per acre, to a standard metam treatment.

**Table 1**

Effect of addition of **AD-SORB** on the activity of Metam CLR against Columbia root-knot nematode and potato yield, 2013.

Treatment	Total Yield CWT/A	% Infected Yield
Untreated Control	386.6 b*	38.8 a
Metam CLR @ 40 gal/A	382.0 b	14.0 b
Metam CLR @ 40 gal/A + AD-SORB RST @ 2 qt/A	431.4 a	6.5 c
Metam CLR @ 40 gal/A + AD-SORB RST @ 4 qt/A	452.5 a	5.4 c

\*The data followed by common small alphabets along the column are not significantly different as per the Duncan multiple range test when  $P \leq 0.05$ .



# AD-SORB RST®

## Best Management Practices for Chemigation

Correct water distribution is vital to your soil fumigation application.

### STEP 1

Read, understand and follow all metam sodium/potassium label instructions.

### STEP 2

Apply 1 quart of **AD-SORB® RST** or **AD-SORB® FC** per acre during the initial pre-fumigation water application (follow metam sodium/potassium label instructions) to prep soil for optimum moisture levels prior to fumigant application.

The use of **AD-SORB®** products during the initial soil prep phase prior to chemigation has shown improvement in soil moisture distribution. Better soil moisture distribution can help improve distribution of metam sodium/potassium in the soil profile.

Better distribution of active ingredient in the soil profile by using specialized soil surfactant active ingredients found in **AD-SORB®** products can benefit and help increase fumigation efficacy.

### STEP 3

Apply metam sodium/potassium according to manufacturers label instructions.

Following metam sodium/potassium treatment, a follow-up “quick lap” irrigation containing **AD-SORB® RST** or **AD-SORB® FC** at 1 quart per acre, works to help seal the soil surface.

## Best Management Practices for Shank-In Application

Correct water distribution is vital to your soil fumigation application.

### STEP 1

Read, understand and follow all metam sodium/potassium label instructions.

### STEP 2

Apply 2 quarts of **AD-SORB® RST** per acre mixed with metam sodium/potassium.

Refer to the Simplot Grower Solutions/PHT recommended mixing instructions for mixing procedure.

University field trials have shown improved performance in yield and quality in potatoes when metam sodium/potassium is used in tank mixes with **AD-SORB®** products.

**AD-SORB®** products help soil moisture move and broaden the wetting front profile. Broadening the wetting front will assist in getting the fumigant better distributed in soil.

Read and follow all metam sodium/potassium label instructions.