

## PALADIN™ (DMDS) SOIL FUMIGANT EFFICACY SUMMARY UPDATE

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Paladin (dimethyl disulfide) has been evaluated for control of nematodes, soil pathogens and weeds in research trials.

Studies have been conducted under laboratory conditions and in field's trials in order to evaluate DMDS behavior and effectiveness as a soil fumigant.

Dosage rates have ranged from 150 pounds to 600 pounds of product per treated acre alone and in tank mixtures with chloropicrin.

Paladin has been applied using shank injection and also drip injection. For shank application, pure product has been applied. In drip applications, an EC formulation of 95% has been evaluated. DMDS has also been evaluated in various ratios of DMDS and chloropicrin.

Numerous film barriers have been evaluated for their influence on pest control and their effect on the DMDS dosage required.

Paladin has has been evaluated for control of several soil pathogens including Rhizoctonia, Verticillium and Fusarium.

Paladin has has been evaluated for control of Root-knot, Dagger, Stunt, Stubby and Lesion nematodes.

Paladin has been evaluated for control of numerous weedy plants including Nutsedge.

Excellent crop safety has been demonstrated with all rates of Paladin.

United Phosphorus, Inc. is the exclusive distributor of Paladin soil fumigant for , Arkema Inc.