

## Paladin™ (dimethyl disulfide) Experimental Use Permit Progress Report

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Paladin (dimethyl disulfide) was authorized for larger scale grower trials under Experimental Use Permit No. 4581-EUP-1 in May of 2007 and extended to May 1, 2009. The new fumigant is not yet registered with U.S. EPA for use by the general public and may only be used under the terms of the EUP by its authorized participants.

The Experimental Use Permit (EUP) authorization was under Section 5 of the Federal Insecticide, Fungicide, and Rodenticide Act. The permit is a non-selling, non-crop destruct EUP that enables Arkema's distributor, United Phosphorus Inc. (UPI), to provide Paladin™ to growers previously selected to participate under the EUP.

The effective dates of the Experimental Use Permit are from May 2, 2007 to May 1, 2009.

The quantity of Paladin authorized for application was 120,200 pounds to be applied to a maximum of 200 acres.

States included in the EUP are North Carolina, Georgia and Florida.

The EUP will allow crops to be harvested for their intended uses.

Crops included under the EUP include strawberries, fruiting vegetable and cucurbit vegetable crops.

The maximum acreage per site was 10 acres.

Application of Paladin ranged from 50 to 74 gallons of formulated product per acre.

Product performance under the EUP program has meet the expectations of grower participants.

Paladin applications were either alone or tank mixed with chloropicrin.

Buffer Zones were required and the size of the buffer zone was based upon the application rate and the area treated.

A site-specific Fumigation Management Plan was also required for each test site.

A section 3 registration of Paladin is anticipated in 2008.

United Phosphorus, Inc., the exclusive distributor of Paladin, and Arkema are cooperating to develop DMDS as a soil fumigant.