

DISPLAY®: A NEW COTTON HARVEST AID**C. Heim****FMC Corporation****Philadelphia, PA**

In 2011 FMC Corporation developed F9328-1, a new harvest aid product for use in cotton. F9328-1, anticipated trade name; Display™, is expected to receive federal registration in June 2012. F9328-1 is a premix of two protoporphyrinogen oxidase (PPO) inhibitors; fluthiacet-methyl and carfentrazone-ethyl. PPO inhibitors hinder the production of protoporphyrinogen oxidase resulting in disruption of cell membranes and a buildup of ethylene causing leaf abscission.

F9328-1 is a 2 pound gallon⁻¹ emulsifiable concentrate solution. Labeled use rates will be 0.4 to 0.6 fluid ounces per acre and a second application can be applied 6-10 days later. F9328-1 can be applied by ground or air. Minimum application volumes are 10 gallons by ground and 5 gallons by air, good spray coverage is necessary for optimal results. F9328-1 has a 7 day pre-harvest interval and a 12 hour re-entry interval.

F9328-1 can be used as a cotton defoliant and in a Managed Maturity© program. Managed Maturity desiccates green terminal growth, maximizing nutrients to expanding bolls - also increasing sunlight and air penetration to the canopy; reducing insect and boll rot threats. F9328-1 provides reliable defoliation with advantages of less re-growth and rapid control of troublesome weeds; with good results even in cool temps and compatibility with all adjuvants and harvest aid chemistries.