VYDATE @ C-LV FOLIAR APPLICATIONS FOR MANAGEMENT OF RENIFORM NEMATODE IN THE SOUTHERN U.S.

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Abstract

Vydate @ C-LV is the trade name for the 42% water soluble formulation of oxymyl registered on cotton or control of boll weevil, lygus, and cotton fleahopper.

Vydate @ C-LV is a moderately residual contact and systemic carbamate insecticide that controls susceptible species through inhibition of acetyl cholinesterase. The average half - life is 15 days in soil, and 3-5 days in cotton foliage.

Vydate @ C-LV has been extensively evaluated in the Southern U.S. for impact on beneficial insects and for control of economic pests. A high degree of beneficial selectivity has been documented while providing commercial control of boll weevil, lygus bugs, and cotton fleahopper.

Recently, foliar applications of Vydate @ C-LV have been evaluated for supplemental control of cotton nematodes. In the summary of nine field evaluations, two foliar applicaitons of Vydate @ C-LV applied at pinhead square and 14 days later have resulted in cotton growth response, a general trend in reduction of seasonal mean nematode populations, and increase in seedcotton yield.

A supplemental label for Vydate @ C-LV has been cleared for 1996 which expands the current cotton insect control label to include control of Reniform nematode. Vydate @ C- LV rates and timing for supplemental nematode control are the same as those currently registered for early season cotton insect management.

Further research with Vydate @ C-LV foliar applications following use of an at plant nematicide are intended for 1996 to include Reniform, Root Knot, and Columbian Lance nematodes.

Reprinted from the *Proceedings of the Beltwide Cotton Conference*
Volume 1:254-255 (1996)
National Cotton Council, Memphis TN