

**NEW USE FOR HARVADRE 5F (dimethipin) AS  
A POST-DIRECTED WEED CONTROL  
PRODUCT ON COTTON**

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**Abstract**

An important new weed control tool, Harvade 5F, was labeled in 1999 for post-directed use in cotton. With the impending loss of Bladex for this use, Harvade provides an excellent alternative for the control of a broad spectrum of broadleaf weeds in cotton.

**Introduction**

It is common practice to tank mix various herbicides applied post-directed to meet a myriad of weed control needs in cotton. Harvade can be tank mixed with other post-directed herbicides to provide broad-spectrum control of weeds in cotton.

**Discussion**

**Post-Directed Applications**

Harvade post-directed combinations were widely tested in diverse areas, from the East Coast, across the Delta to Texas, against numerous weed species under varied conditions. Harvade enhances weed control when mixed with other herbicides (York 1999). Harvade combinations, like other post-directed herbicides, perform most effectively and consistently if applied when the weeds are less than 4 inches tall (Parker et. al., 1999). A height differential between weeds and the crop allows thorough coverage of weeds with minimum spray coming in contact with green, succulent tissues of cotton stems and leaves. Early postemergence treatments with Roundup in Roundup Ready and with Buctril in BXN cottons provide excellent opportunities to establish a height differential between weeds and the crop. Preemergence herbicides in conventional cotton are also effective for creating the desired height differential.

**Summary**

Harvade in combination with other herbicides applied post-directed provides excellent broad spectrum weed control in cotton and offers an attractive alternative to Bladex.

**References**

Parker, RC, K.H. Griffith, A.W. Dalrymple, R. D. Hinkle. 1999. Post-directed weed control tests with Harvade on cotton in the south and southeast United States.

York A.C. 1999. Valor and Harvade post-directed in Roundup Ready cotton. North Carolina State University. Field trial C-22-99.

Table 1. Harvade post-directed weed control in Roundup Ready cotton

Treatments	Percent Weed Control	
	Rate (oz.)	IPOLA & IPOGH
MSMA	43	33
Harvade 6 oz.	6	
MSMA	43	
COC	16	96
Harvade	6	
Roundup	16	
COC	16	98
Roundup	16	75

York, 1999