

**COMPARISON OF THE NEW PIX DF®
FORMULATION TO THE STANDARD PIX®
LIQUID FORMULATION**

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Abstract

The continued use of the cotton growth regulator, Pix, is key to continued high cotton production in California. A new dry, flowable (DF) formulation was tested to see if it was as effective as the original Pix liquid (4.2% ai) formulation. The new DF formulation will reduce transportation, storage, and container disposal costs. In four replicated experiments, the yields for the liquid and DF formulations were 1346 and 1348, respectively.

Introduction

Introducing a new formulation of an agricultural chemical could change its effectiveness. These series of replicated trials were done to ensure the new Pix DF formulation is as effective under a wide range of conditions as the standard liquid Pix.

Materials and Methods

The replicated trials were both wide and narrow field scale strip trials. The narrow ground application trials were 10 feet(4-30 rows) wide and the air application trials were 100 to 150 feet wide.

Results

The results of all trials are shown in Table 1.

Table 1. 1995 Pix Formulation Comparison

Trial	# of Reps	Plot Size	Rate (oz)	P Level	Yield(lbs)	
					Lint/Acre	Liquid DF
1995 Kern County	4	150ft x 1250ft	16	0.23	1445	1417
1995 Kern County	4	100ft x 1250ft	8	0.71	1115	1125
1993 Merced County	4	10ft x 1525ft	8	0.94	1448	1456
1993 Merced County	4	10ft x 1750ft	8	0.83	1376	1393
Average					1346	1348