

Table 2. Boll Maturation

Flowering Date	Days to Open Boll	HU 55-86
7/15	56	1363
7/23	61	1438
7/30	64	1386
8/6	67	1336
8/12	66	1213
8/20	67	1092
8/27	63	941
9/3	84	890
9/10	73	751

Harvesting Progress in 1985

C. R. Farr, Extension Agent

Cotton harvest in 1984-1985 finished behind a desirable schedule, with 38 percent of cotton acres being in violation of plow up regulations for boll weevils and pink bollworms in Maricopa County. At the end of January 1986, slightly more than 10 percent of cotton acreage appeared to be in violation even though more precipitation occurred in October and November 1985 than in 1984.

Comparison of ginning progress in four areas for the two years found the percent of crop ginned about equal on December 1 of each year. However, rain fell nine times in December 1984 for a total of 4.20 inches to further delay late-harvesting farmers. Although December 1984 was unusually wet, the probability of rainfall in December increases over the probability for either of the months October or November. At one farming location, the probability for .40 inch of rain in a 3-week period increases sufficiently to alter harvest schedules so second harvest is finished by late November.

**Percent Probability of .40 Inch Rain
in a 3-Week Period**

<u>Oct 18</u> 27%	<u>Nov 8</u> 33%	<u>Nov 29</u> 42%	<u>Dec 20</u> 47%
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**Rainfall by Months
Litchfield Park**

	<u>OCTOBER</u>	<u>NOVEMBER</u>	<u>DECEMBER</u>
1984	0.0"	1.13"	4.20"
1985	.91"	1.99"	1.36"

Percent of Crop Ginned by Dates

<u>DATE</u>	<u>1984</u>	<u>1985</u>
Nov 1	37.6	35.7
Nov 15	50.9	47.1
Dec 1	81.8	81.1
Dec 15	87.9	89.9
Jan 1	89.5	93.9
Jan 15	97.0	99.7