

SUGARCANE GROWTH MEASUREMENT DATA  
 USDA-ARS, SRRC, SUGARCANE RESEARCH UNIT  
 ARDOYNE FARM, HOUMA, LOUISIANA

Growth Measurement No. 19

Growth from 8/7 '02 to 8/13 '02

Average growth (inches) this week Plant-Cane	CP 70-321 .....	<u>5.35</u>
	HoCP 85-845 .....	<u>4.55</u>
	LCP 85-384 .....	<u>4.35</u>
	HoCP 91-555 .....	<u>4.60</u>
Average growth (inches) this week 1st-Stubble	CP 70-321 .....	<u>5.05</u>
	HoCP 85-845 .....	<u>2.55</u>
	LCP 85-384 .....	<u>4.40</u>
	HoCP 91-555 .....	<u>4.40</u>
Average height (inches) to date Plant-Cane	CP 70-321 .....	<u>79.25</u>
	HoCP 85-845 .....	<u>80.25</u>
	LCP 85-384 .....	<u>83.30</u>
	HoCP 91-555 .....	<u>82.90</u>
Average height (inches) to date 1st-Stubble	CP 70-321 .....	<u>81.90</u>
	HoCP 85-845 .....	<u>66.65</u>
	LCP 85-384 .....	<u>82.35</u>
	HoCP 91-555 .....	<u>80.20</u>

**Average height in inches**

YEAR	CP 70-321		LCP 85-384	
	PLANT-CANE	1 <sup>ST</sup> -STUBBLE	PLANT-CANE	1 <sup>ST</sup> -STUBBLE
2002	79.3	81.9	83.3	82.4
2001	84.9	76.2	87.5	86.2
2000	98.9	86.7	92.4	93.4
1999	87.4	88.7	96.8	91.8
1998	83.8	103.0	87.5	104.6
1997	85.9	79.0	86.6	88.9
1996	75.3	79.8	82.0	75.8
1995	86.4	85.3	87.8	91.2
1994	85.4	78.3		
1993	79.5	70.5		

**CLIMATOLOGICAL DATA**

* Average air temperature (°F)	Max .....	<u>90.0°</u>
	Min .....	<u>74.0°</u>
	Mean .....	<u>82.0°</u>

* Rainfall total for week (inches)..... <u>1.71</u>	* Mean soil moisture (percent available in soil)
	6-inch depth..... <u>74.0%</u>
* Rainfall total for year (inches)..... <u>31.68</u>	12-inch depth..... <u>96.7%</u>
	18-inch depth..... <u>94.0%</u>

\* Temperature & rainfall records from Houma Laboratory, soil moisture from Ardoyne Farm.