

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

|   |   |
|---|---|
| Growth Measurement No. <u>22</u>              | Growth from <u>8/27 '02</u> to <u>9/3 '02</u>   |
| Average growth (inches) this week Plant-Cane  | CP 70-321 ..... <u>4.20</u><br>HoCP 85-845 ..... <u>4.20</u><br>LCP 85-384 ..... <u>4.15</u><br>HoCP 91-555 ..... <u>4.15</u>     |
| Average growth (inches) this week 1st-Stubble | CP 70-321 ..... <u>3.90</u><br>HoCP 85-845 ..... <u>2.93</u><br>LCP 85-384 ..... <u>3.85</u><br>HoCP 91-555 ..... <u>3.50</u>     |
| Average height (inches) to date Plant-Cane    | CP 70-321 ..... <u>93.85</u><br>HoCP 85-845 ..... <u>94.05</u><br>LCP 85-384 ..... <u>97.30</u><br>HoCP 91-555 ..... <u>95.35</u> |
| Average height (inches) to date 1st-Stubble   | CP 70-321 ..... <u>94.70</u><br>HoCP 85-845 ..... <u>84.70</u><br>LCP 85-384 ..... <u>94.45</u><br>HoCP 91-555 ..... <u>92.20</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 | 93.9       | 94.7                     | 97.3       | 94.5                     |
| 2001 | 101.0      | 97.5                     | 101.9      | 98.8                     |
| 2000 | 110.8      | 98.7                     | 104.8      | 105.6                    |
| 1999 | 97.9       | 98.8                     | 108.8      | 102.5                    |
| 1998 | 96.2       | 115.6                    | 101.4      | 116.5                    |
| 1997 | 96.6       | 89.0                     | 97.7       | 99.9                     |
| 1996 | 90.2       | 93.1                     | 95.2       | 88.2                     |
| 1995 | 103.4      | 106.5                    | 107.1      | 105.5                    |
| 1994 | 96.3       | 89.1                     |            |                          |
| 1993 | 90.8       | 83.8                     |            |                          |

**CLIMATOLOGICAL DATA**

|  |  |
|--|--|
| * Average air temperature (°F)                       | Max ..... <u>100.6°</u><br>Min ..... <u>84.6°</u><br>Mean ..... <u>92.9°</u> |
| * Rainfall total for week (inches)..... <u>1.98</u>  | * Mean soil moisture (percent available in soil)                             |
|  | 6-inch depth..... <u>74.5%</u>   |
| * Rainfall total for year (inches)..... <u>34.89</u> | 12-inch depth..... <u>98.7%</u>  |
|  | 18-inch depth..... <u>92.0%</u>  |

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