

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

Growth Measurement No. 18

Growth from 8/1 '01 to 8/8 '01

|                                               |                         |                     |
|-----------------------------------------------|-------------------------|---------------------|
| Average growth (inches) this week Plant-Cane  | CP 70-321 .....         | <u>6.40</u>         |
|                                               | HoCP 85-845 .....       | <u>4.70</u>         |
|                                               | <b>LCP 85-384</b> ..... | <b><u>6.10</u></b>  |
|                                               | HoCP 91-555 .....       | <u>6.25</u>         |
| Average growth (inches) this week 1st-Stubble | CP 70-321 .....         | <u>4.65</u>         |
|                                               | HoCP 85-845 .....       | <u>4.10</u>         |
|                                               | <b>LCP 85-384</b> ..... | <b><u>5.05</u></b>  |
|                                               | HoCP 91-555 .....       | <u>4.65</u>         |
| Average height (inches) to date Plant-Cane    | CP 70-321 .....         | <u>79.50</u>        |
|                                               | HoCP 85-845 .....       | <u>71.95</u>        |
|                                               | <b>LCP 85-384</b> ..... | <b><u>82.10</u></b> |
|                                               | HoCP 91-555 .....       | <u>82.45</u>        |
| Average height (inches) to date 1st-Stubble   | CP 70-321 .....         | <u>72.05</u>        |
|                                               | HoCP 85-845 .....       | <u>74.30</u>        |
|                                               | <b>LCP 85-384</b> ..... | <b><u>80.60</u></b> |
|                                               | HoCP 91-555 .....       | <u>78.15</u>        |

| YEAR | Average height in inches |                          |            |                          |
|------|--------------------------|--------------------------|------------|--------------------------|
|      | CP 70-321                |                          | LCP 85-384 |                          |
|      | PLANT-CANE               | 1 <sup>ST</sup> -STUBBLE | PLANT-CANE | 1 <sup>ST</sup> -STUBBLE |
| 2001 | 79.5                     | 72.1                     | 82.1       | 80.6                     |
| 2000 | 94.0                     | 81.2                     | 88.5       | 89.2                     |
| 1999 | 79.9                     | 81.7                     | 92.4       | 87.8                     |
| 1998 | 77.5                     | 96.9                     | 81.6       | 98.9                     |
| 1997 | 79.7                     | 73.3                     | 81.5       | 83.4                     |
| 1996 | 70.3                     | 75.8                     | 77.8       | 73.7                     |
| 1995 | 79.6                     | 79.3                     | 80.9       | 84.8                     |
| 1994 | 81.1                     | 74.2                     |            |                          |
| 1993 | 74.7                     | 66.7                     |            |                          |
| 1992 | 76.3                     | 62.1                     |            |                          |

**CLIMATOLOGICAL DATA**

|                                |            |              |
|--------------------------------|------------|--------------|
| * Average air temperature (°F) | Max .....  | <u>88.7°</u> |
|                                | Min .....  | <u>74.0°</u> |
|                                | Mean ..... | <u>81.4°</u> |

|                                                      |                                                  |
|------------------------------------------------------|--------------------------------------------------|
| * Rainfall total for week (inches)..... <u>4.27</u>  | * Mean soil moisture (percent available in soil) |
|                                                      | 6-inch depth..... <u>38.3%</u>                   |
| * Rainfall total for year (inches)..... <u>48.97</u> | 12-inch depth..... <u>75.0%</u>                  |
|                                                      | 18-inch depth..... <u>86.3%</u>                  |

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