

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

Growth Measurement No. 4

Growth from 4/20'11 to 4/26'11

| | | |
|---|------------------|--------------|
| Average growth (inches) this week Plant-Cane | HoCP 96-540..... | <u>1.60</u> |
| | L 99-226 | <u>2.15</u> |
| | L 99-233 | <u>2.45</u> |
| | HoCP 00-950..... | <u>1.75</u> |
| | | |
| Average growth (inches) this week 1st-Stubble | HoCP 96-540..... | <u>1.80</u> |
| | L 99-226 | <u>3.50</u> |
| | L 99-233 | <u>2.05</u> |
| | HoCP 00-950..... | <u>1.05</u> |
| | | |
| Average height (inches) to date Plant-Cane | HoCP 96-540..... | <u>7.95</u> |
| | L 99-226 | <u>7.50</u> |
| | L 99-233 | <u>11.95</u> |
| | HoCP 00-950..... | <u>5.70</u> |
| | | |
| Average height (inches) to date 1st-Stubble | HoCP 96-540..... | <u>8.70</u> |
| | L 99-226 | <u>9.40</u> |
| | L 99-233 | <u>10.85</u> |
| | HoCP 00-950..... | <u>4.85</u> |

Average height and growth in inches
HoCP 96-540

| Year | Plant- Cane Growth | 1 st Stubble Growth | Plant- Cane Height | 1 st Stubble Height |
|------|--------------------|--------------------------------|--------------------|--------------------------------|
| 2011 | 1.60 | 1.80 | 7.95 | 8.80 |
| 2010 | 0.25 | 0.70 | 6.85 | 4.80 |
| 2009 | 0.80 | 0.50 | 4.45 | 5.65 |
| 2008 | 0.81 | 0.65 | 7.25 | 4.70 |
| 2007 | 0.25 | 0.45 | 4.05 | 5.10 |
| 2006 | 0.80 | 0.95 | 8.40 | 6.20 |
| 2005 | 0.25 | 0.35 | 4.85 | 6.35 |
| 2004 | 1.15 | 1.35 | 6.10 | 6.30 |

| GROWTH MEASUREMENTS CLIMATOLOGICAL DATA | | | | | |
|---|--------------|--------------|----------------|---------------|---------------|
| For week of 04/19 to 04/25 | | | | | |
| Year | Max Air Temp | Min Air Temp | Avg. High Temp | Avg. Low Temp | Rain for week |
| 2011 | 87 | 65 | 85.9 | 70.4 | 0.00 |
| 2010 | 83 | 54 | 80.0 | 60.0 | 0.48 |
| 2009 | 88 | 53 | 80.4 | 62.4 | 0.75 |
| 2008 | 88 | 48 | 83.4 | 57.9 | 0.02 |
| 2007 | 88 | 53 | 82.0 | 60.3 | 0.04 |
| 2006 | 88 | 58 | 86.6 | 62.9 | 0.65 |
| 2005 | 85 | 46 | 78.6 | 56.3 | 0.19 |
| 2004 | 85 | 55 | 82.6 | 64.3 | 3.23 |
| Avg. | 85 | 54 | 82.4 | 61.8 | 0.77 |

Rainfall total for 2011 (inches)..... 7.42