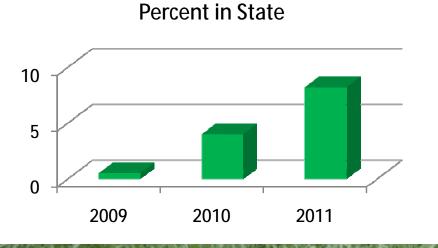
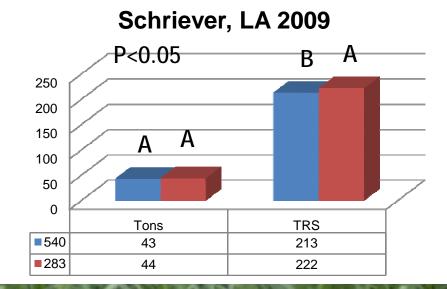
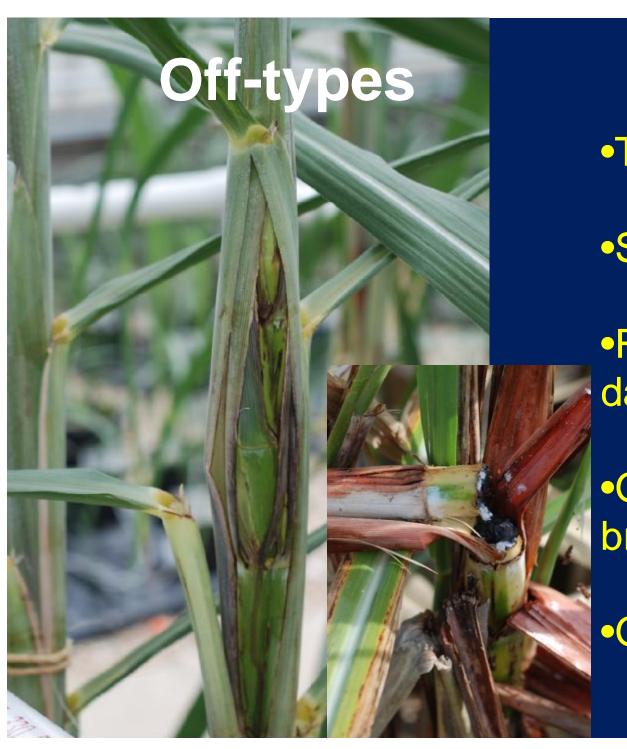


## L 01-283 released in 2008







Twisted leaves

Split stalks

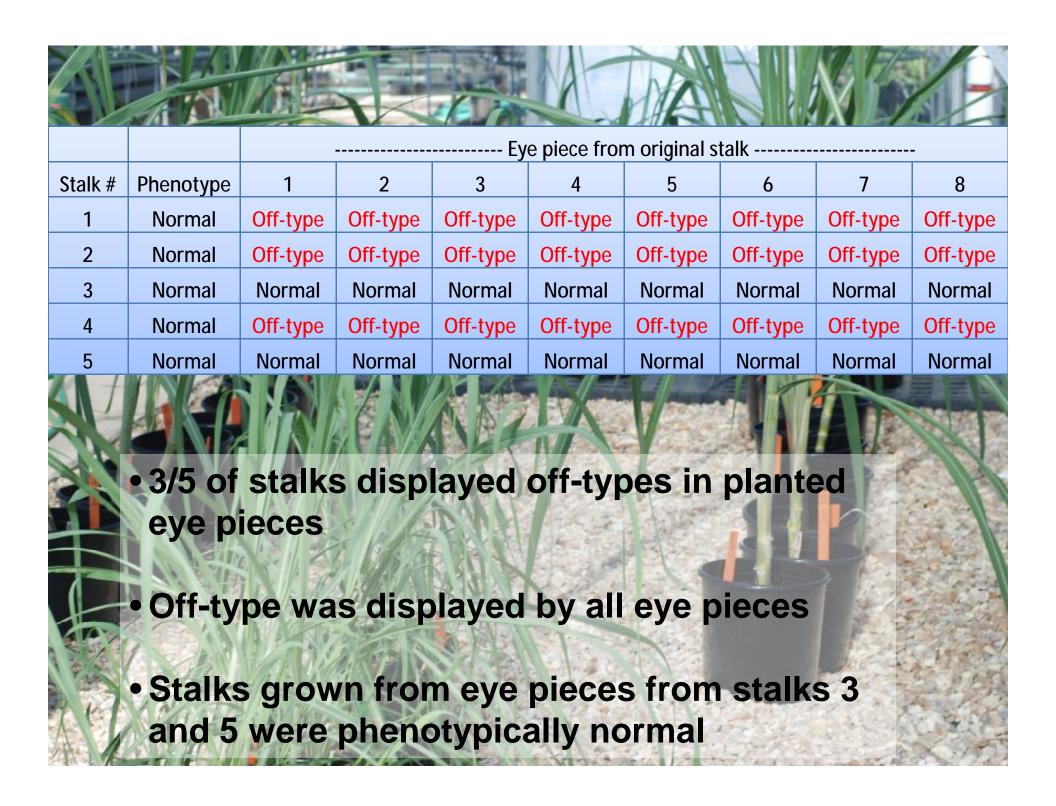
Reddening of damaged areas

Growing pointsbreak off

Germinating eyes

# **Greenhouse Exp**

- 5 normal stalks cut from Palo Alto secondary station during grinding of 2010.
- Each stalk eye-pieced and planted in greenhouse in Houma over winter 2010-2011.
- Stalks assessed for off-type/normal phenotype in April 2011.







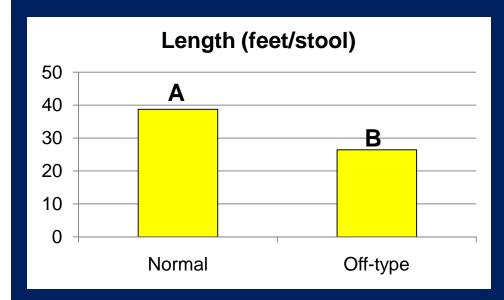


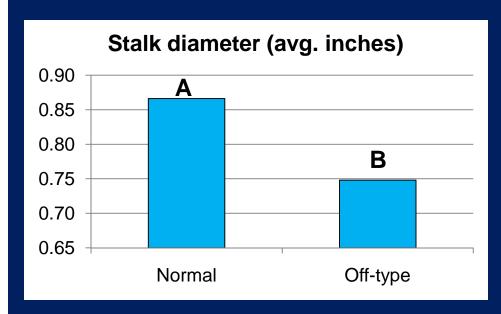
### **Greenhouse = Plant cane crop (April 2011)**

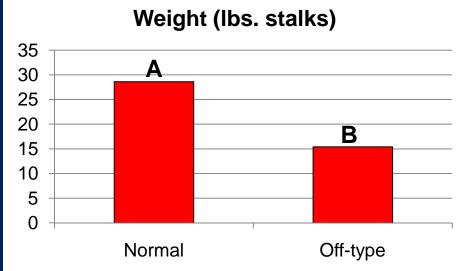
|         |           | Eye piece from original stalk |          |          |          |          |          |          |          |  |
|---------|-----------|-------------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| Stalk # | Phenotype | 1                             | 2        | 3        | 4        | 5        | 6        | 7        | 8        |  |
| 1       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 2       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 3       | Normal    | Normal                        | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   |  |
| 4       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 5       | Normal    | Normal                        | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   |  |

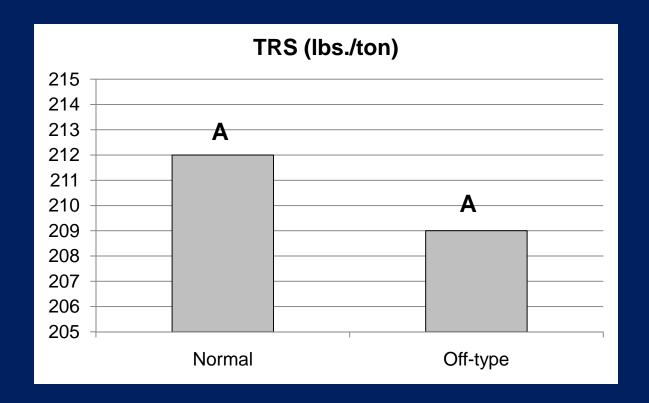
### Field = 1<sup>st</sup> Stubble (October 2011)

|         |           | Eye piece from original stalk |          |          |          |          |          |          |          |  |
|---------|-----------|-------------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| Stalk # | Phenotype | 1                             | 2        | 3        | 4        | 5        | 6        | 7        | 8        |  |
| 1       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 2       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 3       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 4       | Normal    | Off-type                      | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type | Off-type |  |
| 5       | Normal    | Normal                        | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   | Normal   |  |





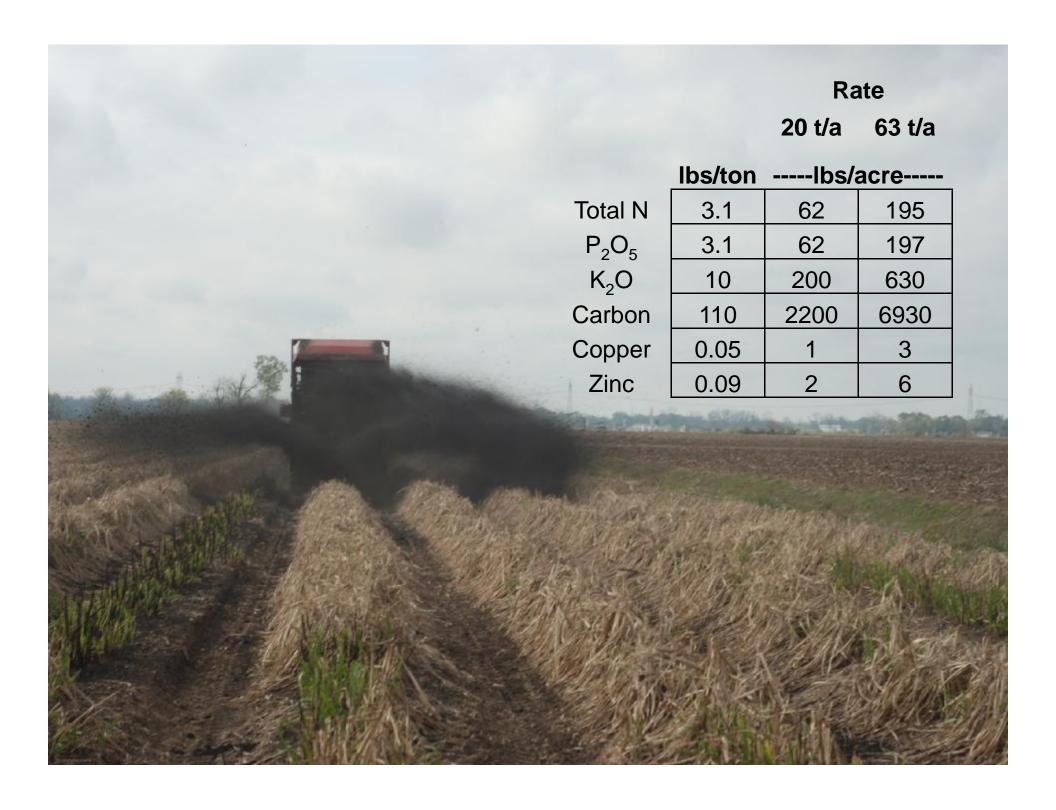




## Conclusions

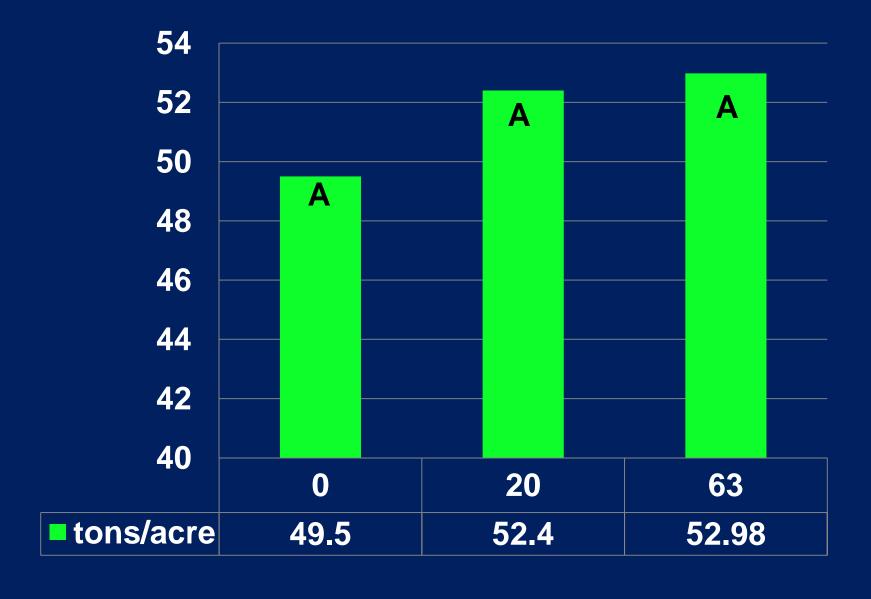
- Entire stool displayed off-type.
- No reversions back to normal phenotype.
- •Off-type affected tonnage but not sugar concentration.











### Filter press test (L 01-283 PC)







### Conclusions

 If available use filter press and/or fly ash to supplement soil nutrients – good source of N-P-K as well as other macro and micronutrients

 Increased cane yield by 3 tons/acre and sugar by 1000 lbs./acre.







