

SUGARCANE TRIAL

**WORTHY PARK ESTATE
JAMAICA
2015-2016**

**ARVTU Research Update
Seminar
July 20, 2016**





WORTHY PARK ESTATE

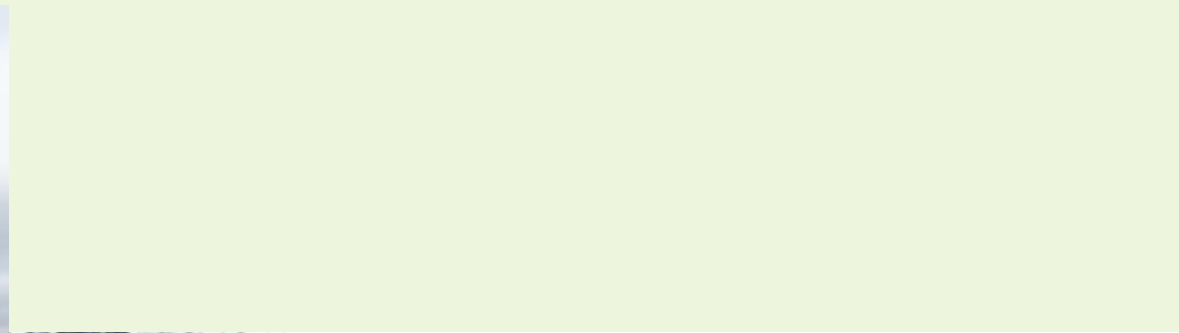
- One of the largest sugarcane estates in Jamaica.
- Located in the Parish of St. Catherine.
- Sugarcane is cultivated under rain fed conditions.
- Trials commenced in July 2015 (one month after previous harvest).
- Acreage: 7 acres
- Variety: BJ82119 (susceptible to orange rust which is most often aggravated by dry periods)
- Annual rain fall is normally 60in per year; last year 2015 to date, records show only 22.72in of rain fell, just a fraction above one third of normal expected rainfall.

TREATMENTS

1. One application of Secondary Culture (Innocare, molasses, local soil)
2. Three applications of Vitazyme, Wholesome and iSurge (500 mL / Acre) (iPOP)
3. Applications were made over a four month period between July 2015 to October 2015
4. Applications were made using knapsack sprayer
5. Annual rain fall was just above one third of the annual rainfall average

PREPARING TREATMENT MIXTURES





FIELD APPLICATIONS

TREATED



UNTREATED





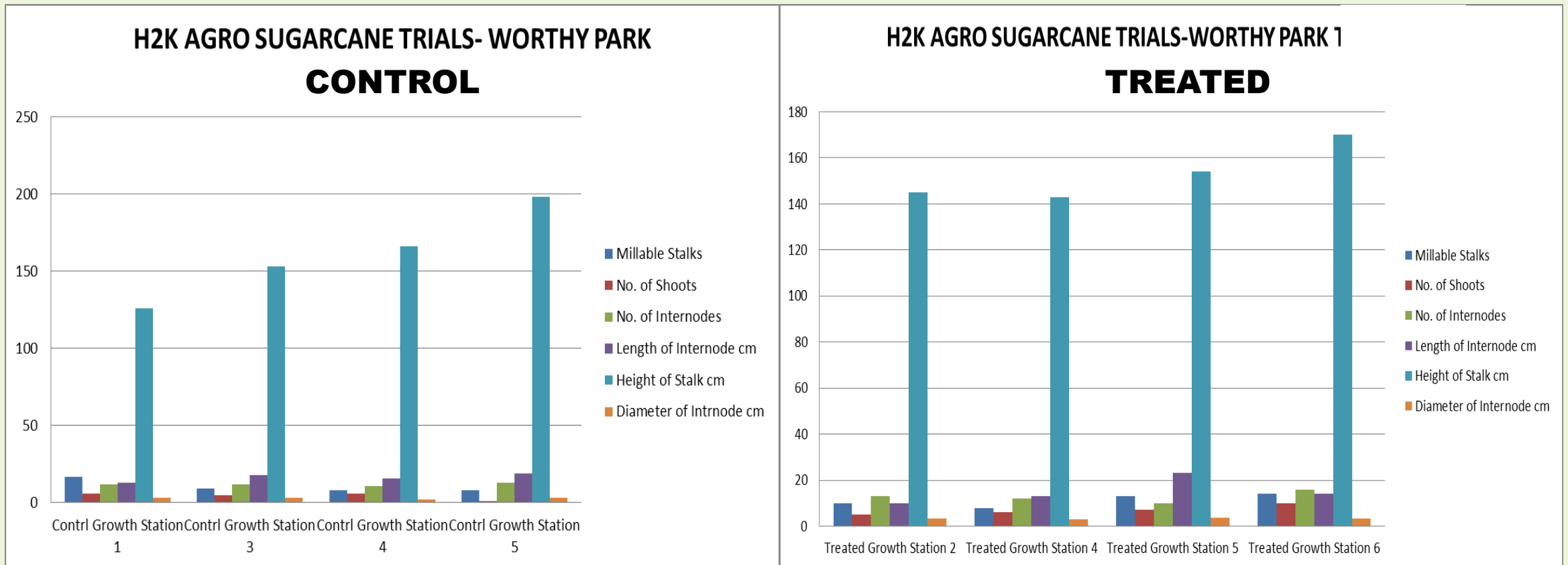
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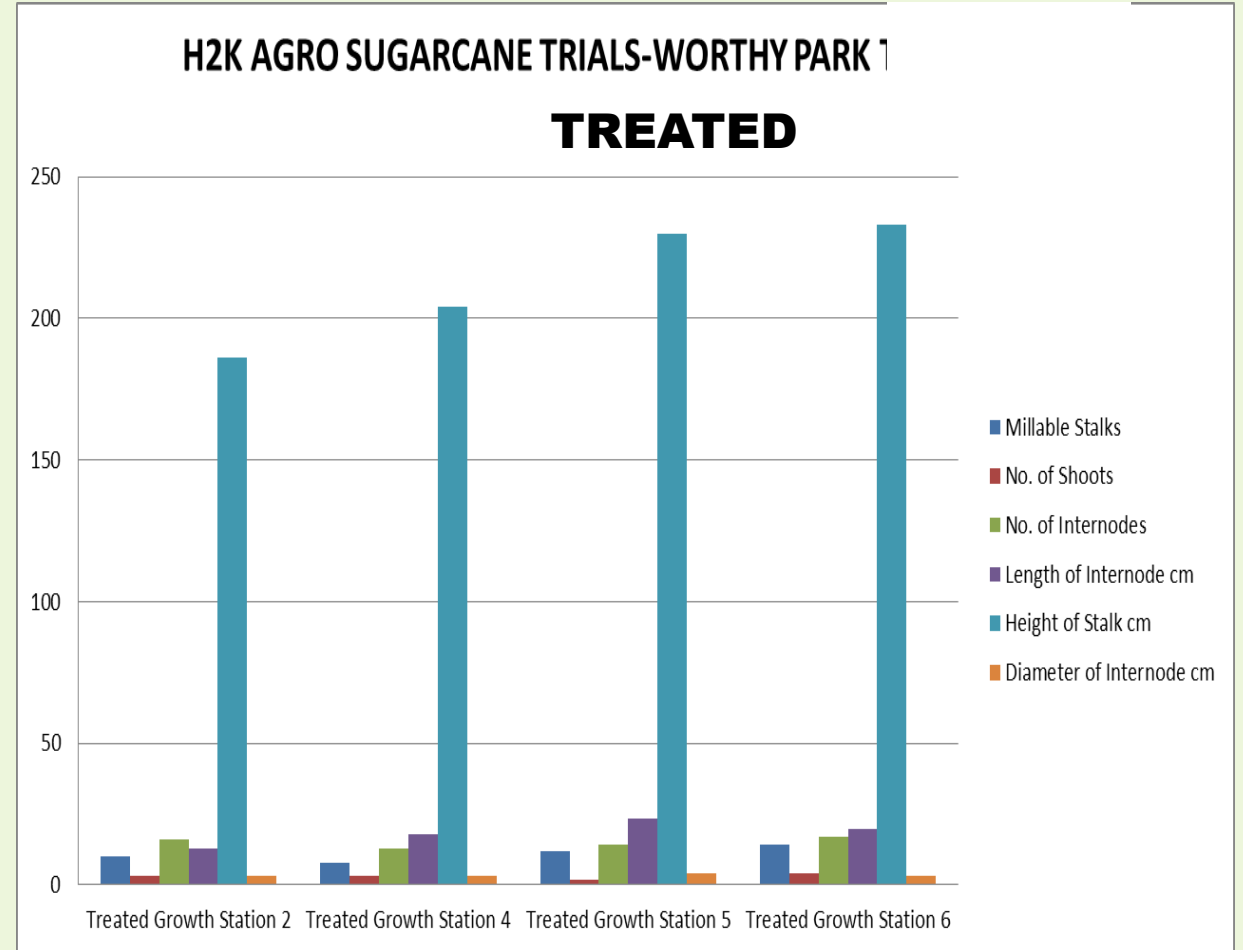
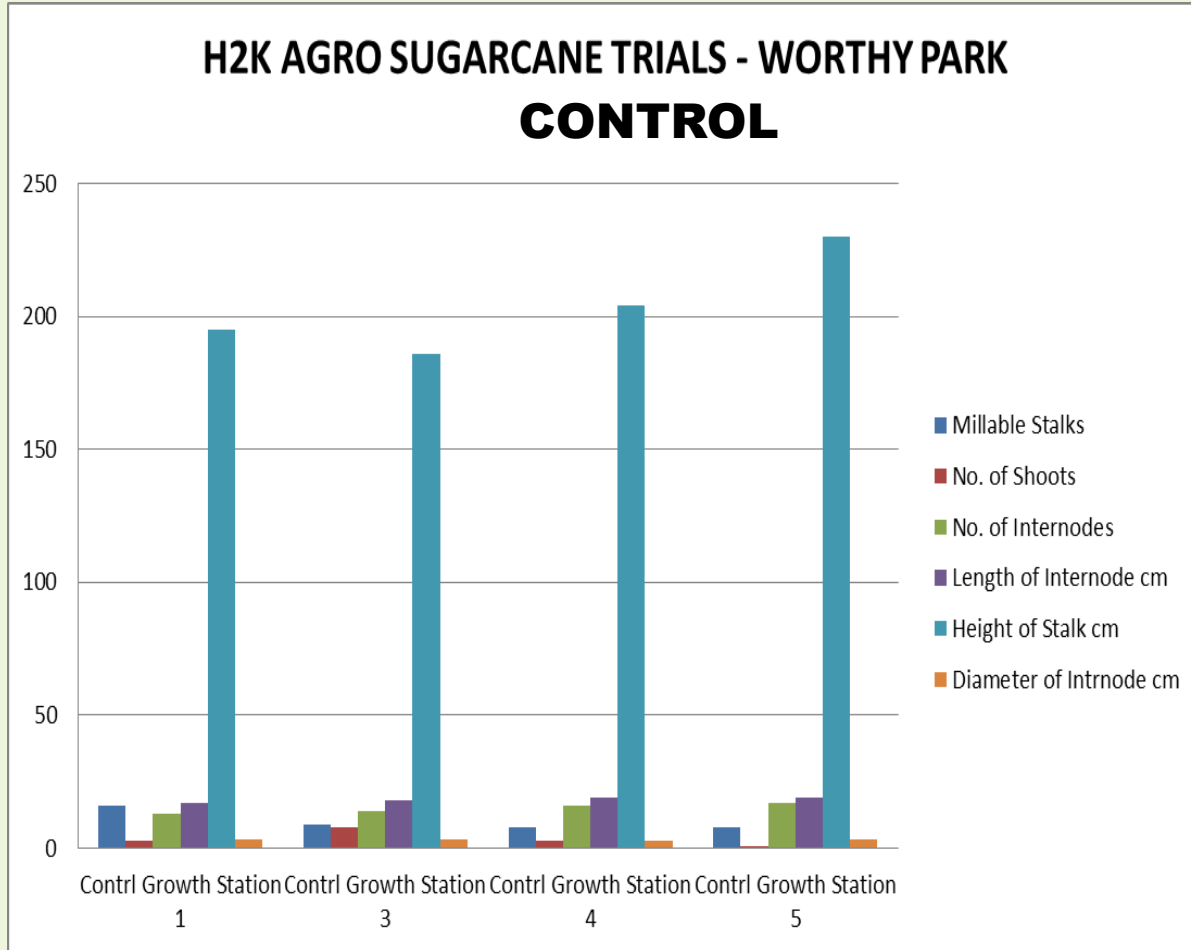




WORTHY PARK TRIAL



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March 2016

WORTHY PARK ESTATE



Trial Field



HARVESTING

JUICE ANALYSIS

Sample No.	Tonnes Cane	Brix	Pol	Purity	TCTS	TRCS
CONTROL						
1	1	13.76	10.85	79.37	12.85	7.78
2	1	13.47	10.96	81.37	12.57	7.95
Ave.		13.62	10.91	80.37	12.71	7.87
TREATED						
3	1	15.97	13.84	86.66	9.00	11.12
4	1	14.48	12.11	83.63	10.60	9.43
Ave.		15.22	12.98	85.14	9.80	10.27

FIELD HISTORY

YEAR	ACREAGE	TONNES	TC/HECT	TS	TC/TS	TS/HECT
2016	7.02	720.74	102.67	60.63	11.89	8.64
2015	7.02	496.17	70.6	59.0	8.41	8.41
2014	7.02	532.97	79.52	64.35	8.28	9.17

END OF PRESENTATION