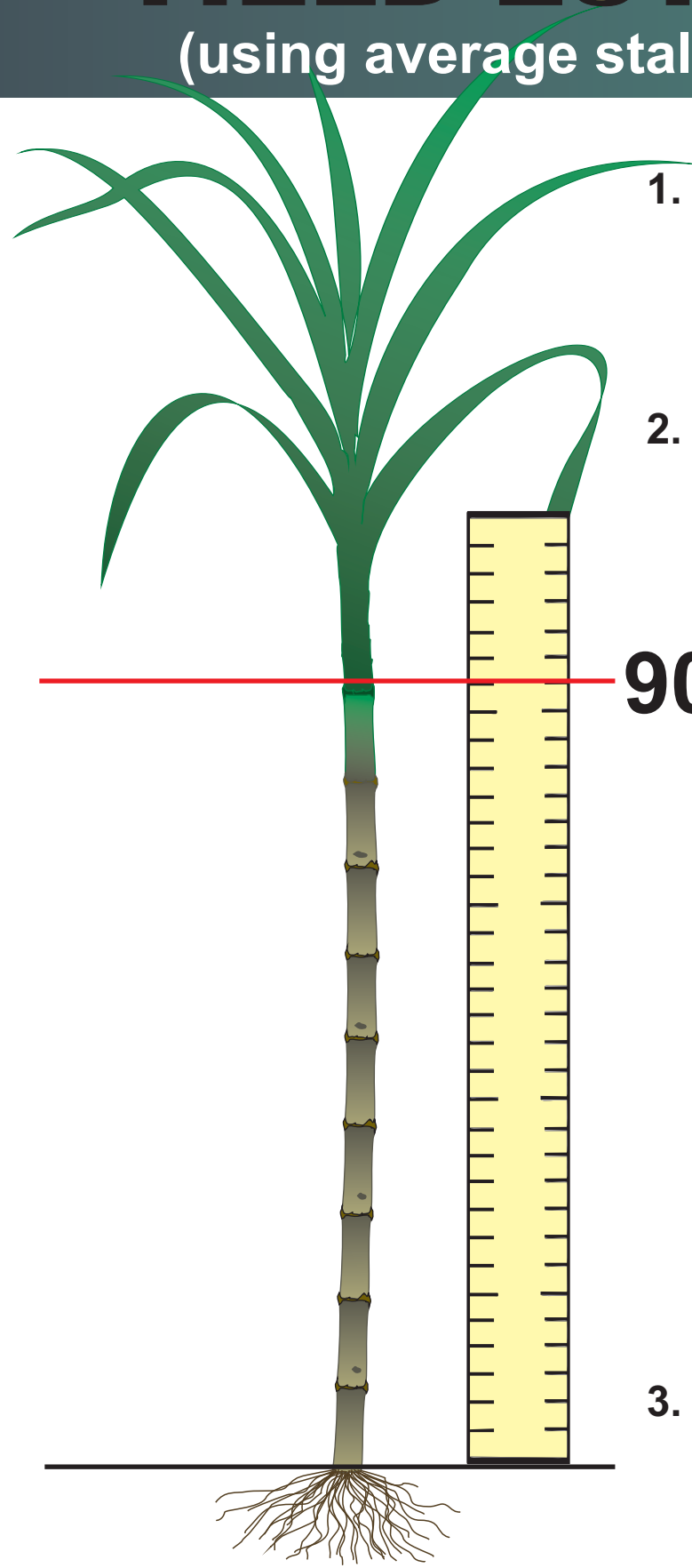


YIELD ESTIMATE

(using average stalk length ÷ 2)

2018



1. Measure the length of an average size stalk from the ground to the natural breaking point (eg 90cm).
2. Repeat this 10 times at different places in the field and calculate the average stalk length

90 cm

Example =

90
96
89
101
75
94 cm
84
102
92
81
<u>904</u> cm

3. Average stalk length =
 $904 \div 10 = 90.4 \text{ cm}$

Estimated yield = Average length ÷ 2 = $90.4 \div 2 = 45.2 \text{ tons/ha}$

YIELD ESTIMATE

Increment

Use the increment table to calculate how much extra growth is expected from the date the estimate was done to the date when harvesting is expected.

GROWTH INCREMENT (tc/ha/month)

	3 tons	4 tons	5 tons	6 tons	7 tons	10 tons
MONTH	(v low)	(low)	(moderate)	(high)	(v high)	(irrig.)
April	4	5	6	7	8	12
May	1	2	3	4	5	7
June	0	1	2	3	4	6
July	0	0	1	2	3	4
August	0	0	1	2	3	4
September	0	1	2	3	4	6
October	1	2	3	4	5	7
November	4	5	6	7	8	12
December	6	7	8	9	10	14
January	7	9	10	11	12	17
February	7	9	10	11	12	17
March	6	7	8	9	10	14
Total	36	48	60	72	84	120

YIELD ESTIMATE

Example

- Estimate date 2 June
- Cane age 9 months
- Estimate 45tc/ha
- Increment category $45\text{tc/ha} \div 9 \text{ months} = 5\text{tc/month}$ (moderate)
- Expected harvest date 30 August (12 months)
- Add to the estimated yield of 45tc/ha the yield increments for the months of June, July and August.
- From the increment table

GROWTH INCREMENT (tc/ha/month)

	3 tons	4 tons	5 tons	6 tons	7 tons	10 tons
MONTH	(v low)	(low)	(moderate)	(high)	(v high)	(irrig.)
April	4	5	6	7	8	12
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December	6	7	8	9	10	14
January	7	9	10	11	12	17
February	7	9	10	11	12	17
March	6	7	8	9	10	14
Total	36	48	60	72	84	120

Final estimate at harvest = 45tc/ha + 4tc/ha = 49tc/ha