



4. Results

Treatments	Tons cane /ha	Sucrose % cane	Tons sucrose /ha	Stalk heights (cm)	Stalk population (x 1 000)
Control	62	11,3	7,0	168	125
Vydate 10G	82**	12,5**	10,3**	180*	153**
Slow release Vydate	74*	12,5**	9,2**	176	136
Carbosulfan	75**	12,4*	9,2**	174	143**
Temik	82**	12,5**	10,3**	186**	155**
Curaterr	77**	11,9	9,1**	178	142*
Furacon 25 kg	65	12,3*	8,0	164	129
Furacon 30 kg	73*	12,1*	8,9**	177	141*
Mean	74	12,2	9,0	175	141
CV%	8,9	5,0	9,6	4,3	6,4
LSD (P=0,05)*	9,7	0,89	1,3	11,2	13,2
LSD (P=0,01)**	13,2	1,2	1,7	15,2	17,9

5. Comments

Cane yields were increased on average by 14 tons ha<sup>-1</sup> (23%) by the nematocides tested.

The responses to 'slow release' Vydate, carbosulfan, Furacon at 30 kg/ha and Curaterr were similar averaging about 13 tons cane ha<sup>-1</sup> and two tons sucrose ha<sup>-1</sup>. All these treatments improved stalk populations significantly (P=0,05) but the responses in terms of stalk heights were smaller.

Furacon applied at 25 kg ha<sup>-1</sup> has no effect on cane yields. Cane quality was however improved significantly (P=0,05) by this treatment and sucrose yields were 1 ton ha<sup>-1</sup> (NS) higher than in untreated cane.

The responses to Vydate 10G and Temik were similar and these treatments caused yields to be increased by 5 ton cane ha<sup>-1</sup> (8%) more than where cane was treated with Curaterr which was the next best treatment. Vydate 10G and Temik improved stalk heights significantly (P=0,05 and P=0,01 respectively) and stalk populations were increased by about 25% (P=0,01).