

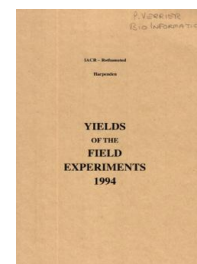
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94/R/LN/6 Weed Types in Linseed - Linseed

Rothamsted Research

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94/R/LN/6

LINSEED

WEED TYPES IN LINSEED

Object: To study the effects of three contrasting weed species on the growth and yield of linseed - Geescroft.

Sponsor: P.J.W. Lutman.

Design: 3 randomised blocks of (3 x 5) + 2 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. SPECIES

CO	Cultivated oats (<i>Avena sativa</i> cv. Dula)
FH	Fat hen (<i>Chenopodium album</i>)
CW	Chickweed (<i>Stellaria media</i>)

2. RATE Number of plants established per m²:

	CO	FH	CW
0	0	0	0
1	9	6	57
2	25	31	87
3	91	24	232
4	150	55	261

plus two extra plots

3. EXTRA Number of wild oats (*Avena fatua*) plants established per m²:

W1	15
W2	54

NOTES: (1) Target 'weed' densities, seeds per m²:

RATE CO 0 0, CO 1 20, CO 2 60, CO 3 180, CO 4 360
FH 0 0, FH 1 100, FH 2 400, FH 3 800, FH 4 1600
CW 0 0, CW 1 100, CW 2 200, CW 3 400, CW 4 800
EXTRA W1 60, W2 180

(2) Cultivated oats were dressed with Rappor Plus.

Experimental diary:

03-Dec-93 : B : Ploughed.
26-Apr-94 : B : Rotary harrowed.
: T : **SPECIES** FH, CW: Seed broadcast by hand.
: T : **SPECIES** CO, **EXTRA** W1, W2: Seed broadcast by machine.
: B : Rotary harrowed, Antares, dressed Prelude 20LF, drilled at 700 seeds per m².

