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52/CH/1 Globe Beet - Fertilizer Placement - Rothamsted

Rothamsted Research

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52/Ch/1

GLOBE BEET

Fertilizer placement - Long Hoos IV 1952.

System of replication: 4 randomized blocks of 5 plots each.

Area of each plot: 0.00344 acre.

Treatments: No fertilizer; and all combinations of:-

National Compound fertilizer No. 1A (8% N; 6% P₂O₅; 10½% K₂O):
2.5; 5.0 cwt per acre.

Method of placement: Broadcast on seed bed; drilled in band
beside seed.

Note. On calibration, the levels of fertilizer actually drilled were
found to be 2.0 and 4.5 cwt per acre.

Basal dressing: None.

Cultivations, etc.: Ploughed: Feb 5. Seed drilled at 8 lb per acre,
fertilizer applied: May 13. Lifted: Aug 6. Variety: Crimson
Globe. Previous crop: Barley.

Standard error per plot:

Saleable produce*: 1.60 tons per acre or 45.2% (12 d.f.)

Summary of Results

Compound fertilizer: cwt per acre						
None	2.5 Broadcast	2.0 Drilled	5.0 Broadcast	4.5 Drilled	Mean	
Saleable produce*: tons per acre						
Mean (± 0.80)	3.99	3.18	3.25	3.20	4.03	3.53
Increase (± 1.13)		-0.81	-0.74	-0.79	+0.04	
Total produce*: tons per acre						
Mean	5.50	4.72	4.58	4.65	5.31	4.95
Increase		-0.78	-0.92	-0.85	-0.19	

*Bulbs and tops.