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## Yields of the Field Experiments 1949



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## **49/CD/1 Peas - Fertilizer Placement**

49/CD/1 Peas - Fertilizer Placement, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 79 - 80

49/Cd/1.1

## PEAS

The effects of methods of placement of a compound fertilizer st two rates of application.

RP - Long Hoos V 1949

system of replication: 4 randomized blocks of 8 plots each, a high order interaction being confounded with block differences.

Area of each plot: 0.0173 acre. Area harvested: 0.0154 acre.

Trestments:

Levels of fertilizer: Nono, 3.5, 7.0 cwt per acre granulated compound fortilizer (13.1% P205, 13.4% K20). Methods of placement: Drilled 3" below 2" to side of seed

Methods of placement: Drilled 3" below 2" to side of seed (duplicate plots), brondenst early (after last ploughing); broadcast late (in seed bed and harrowed in); half broadcast early, half drilled beside seed, half broadcast late, half drilled beside seed.

Basal manuring: None.

Cultivations, etc: Ploughed: Sopt 24-25. Applied "early" fortilizers, springtined: Feb 26. Applied "Inte" fertilizers drilled seed and fertilizer: Mar 19. Harrowed in: Mar 21. Harrowed across the rows: Mar 31. Hoed: May 11, 30, June 3, 4 and 7. Harvested: July 26. Variety: Harrison's Glory. Previous crop: Barley.

Standard errors per plot. Yield, dry matter: 1.60 cwt per acre or 10.9% (18 d.f.) Plant number: 1.28 tens of thousands per acre or 5.6% (18 d.f.)

## 49/Ca/1.2

- A

Compound ferti- lizer: cwt per acre	Broad- cast early	Broad- cast late		Broad- cast late and Drilled	Mean
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Yield, dry matter: cwt per acre									
None	(±0.80)		(±1	14.3 (±0.57)					
3•5	16.4	11.5	13.6	16.1	15.7	15.0 (±0.46) 14.9			
	1	1							
Mean (±0.80)	16.0(1)	12.6	14.1	15.2	15.7	14.8			

Standard error (1) ±0.57

Plant number: tens of thousands per acre

None	(±0.64)		(±0.	22.8	(±0.45)		
3•5 7•0	22.9 23.0	21.9	23.0 21.6	23.7 23.7	23•3 24•7	23.0 23.0	(±0.37)
The second second second second						and the second s	
	$23.0^{(2)}$ 22.0 22.3 23.7 24.0 Standard error (2) $\pm 0.45$						