

FIELD EXPERIMENTS 1970

Serial No. 20 V
 Stat. File B.1.
 Field Penns Land

CROP: Winter Wheat

VARIETY: Cappelle

EXPERIMENT: Cultivations and Take-All (2nd year on same site)

TREATMENTS AND LAYOUT:

6 Randomised blocks.

All combinations of

1. Cultivations (i) Ploughed early
 (ii) Ploughed late
 (iii) Rotovated early
2. Nitrogen (i) 40
 (ii) 80 units N/acre

Plot Size: Treatment: 50 yds x 12 ft.

Harvest: 78 inches x 118 ft 8 ins.

Manuring with dates of: 2 cwts triple superphosphate (43-45% P) in seedbed. Nitramtop dressing 24th April (40N) & 28th April (80 N)

Date of

Stubble cultivation: 15th Sept.
 Early ploughing: 18th Sept.
 Rotovating: 18th Sept.
 Late ploughing: 25th Oct.
 Drilling: 5 Nov. 1½ cwts/acre
 Take-All assessment: 30 June & 3 July.
 Combining: 17 August

Remark:

Previous cropping: 1969: Sp. Wheat (1st year of expt)
 1968: Sp. Barley
 1967: Sugar Beet

There was no lodging.

Take-All and Cultivations

Yield grain at 15% m.c.

Cultivation	Nitrogen (units/ao)		Means (\pm 0.70)
	40	80	
	(\pm 1.00)		
P.E.	21.1	24.1	22.6
P.L.	20.9	25.1	23.0
R.	24.2	28.3	26.3
Means (\pm 0.57)	22.1	25.8	

S.E. per plot = \pm 2.44 or 10.18%

Grain Nitrogen %

Cultivation	Nitrogen (units/ao)		Means
	40	80	
P.E.	2.03	2.11	2.07
P.L.	2.01	2.11	2.06
R.	1.93	2.04	1.99
Means	1.99	2.09	