

FIELD EXPERIMENTS 1935

Crop: Mangolds. Field: I South

Experiment:

The Manurial Requirements of Mangolds.

Treatments & Layout:

5	Complete Artificials } Nitrogen and Phosphate } Nitrogen and Potash }	Potash and Phosphate } No manures }
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5 x 5 Latin Square

6 rows by 12 yds. (24" work).

Manuring with dates of: .....

Basal Manuring of 12 loads of F.Y.M. per acre.

Artificials	{ 3 cwts. Nitrate of Soda } { 3 cwts. Superphosphate } { 1 1/4 Muriate of Potash }	as required by Treatments.
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Date of drilling: 17th May	Variety: Red Intermediate	Seed Rate: 8 lbs.
		per acre.

Date of Harvesting: 29th October, 1935.

Date of

Remarks (previous cropping, cultivations, etc.)

1934 - Barley

Gyrotilled on the 17th October, 1934.  
Ploughed in November and 'mucked' early in February.

Two heavy harrows.  
Cambridge Roll  
Heavy Harrows  
Light harrows  
Flat rolled

Note Book No.  
W.3.

Seedbed dry and 'cobbly'  
Ring rolled down the rows on 29th May.  
Singled 22nd June.

File 24

Mangold Manuring Trial.

Harvest Yields.

Tons per Acre of Roots.

0	= 18.40 tons)	
NP	= 22.51 tons)	
NK	= 23.62 tons)	S. E. = 0.79 tons per acre
KP	= 18.59 tons)	
NPK	= 23.37 tons)	Sig. Diff. = 2.37

Significant Differences.

NP, NK, NPK greater than 0 and KP.

Response due entirely to Nitrogen.

Average Dry Matter Percentages.

0	= 12.11%
NP	= 11.10%
NPK	= 10.83%
NK	= 11.27%
KP	= 12.26%

Yield of Dry Matter per Acre - Cwts.

0	= 44.56	cwts per acre		
NP	= 49.97	"	"	"
NK	= 53.23	"	"	"
KP	= 45.58	"	"	"
NPK	= 50.62	"	"	"