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# Yields of the Field Experiments 1996



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# 96/R/MA/1 Maize and Nitrogen - Maize

# **Rothamsted Research**

Rothamsted Research (1997) *96/R/MA/1 Maize and Nitrogen - Maize*; Yields Of The Field Experiments 1996, pp 167 - 168 - **DOI:** https://doi.org/10.23637/ERADOC-1-51

#### 96/R/MA/1

#### MAIZE

#### MAIZE AND NITROGEN

Object: To assess the yield response to nitrogen fertilizer and to assess harvest methods and removal of discards of a forage maize crop - Long Hoos III 4, 5 & 6.

Sponsors: G.N. Talbot, P.R. Poulton.

Design: 3 randomised blocks of 4 plots.

Whole plot dimensions: 6.0 x 25.0.

#### Treatments:

N	Nitrogen	fertilizer	(kg	N):
N0	0			
N1	70			
N2	140			
N3	210			

# Experimental diary:

08-Dec-95 : B : Ploughed.

01-May-96 : B : Heavy spring-tine cultivated.

02-May-96 : B : Spring-tine cultivated, rotary harrowed, Hudson, dressed thiram and methiocarb, drilled at 11 seeds per m<sup>2</sup>, rolled.

26-May-96 : B : Gesaprim 500SC at 2.0 1 with Stomp 400 SC at 3.7 1 in 200 1.

11-Jun-96 : T : N N1, N2, N3: 34.5% N applied at 203, 406 and 609 kg respectively.

20-Sep-96 : B : Harvested by hand.

Previous crops: Set-aside 1994, s. wheat 1995

NOTE: Samples of whole crop maize were taken for chemical analysis.

#### 96/R/MA/1

# WHOLE CROP FORAGE (AT 100% DRY MATTER) TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

N

N0 10.74

11.66 N1

11.93 N2

12.74 N3

Mean 11.77

\*\*\* Standard errors of differences of means \*\*\*

N

0.463

\*\*\*\*\* Stratum standard errors and coefficients of variation \*\*\*\*\*

Stratum

d.f.

s.e.

BLOCK.WP

6 0.567

4.8

GRAIN MEAN DM% 29.6

PLOT AREA HARVESTED 0.00036