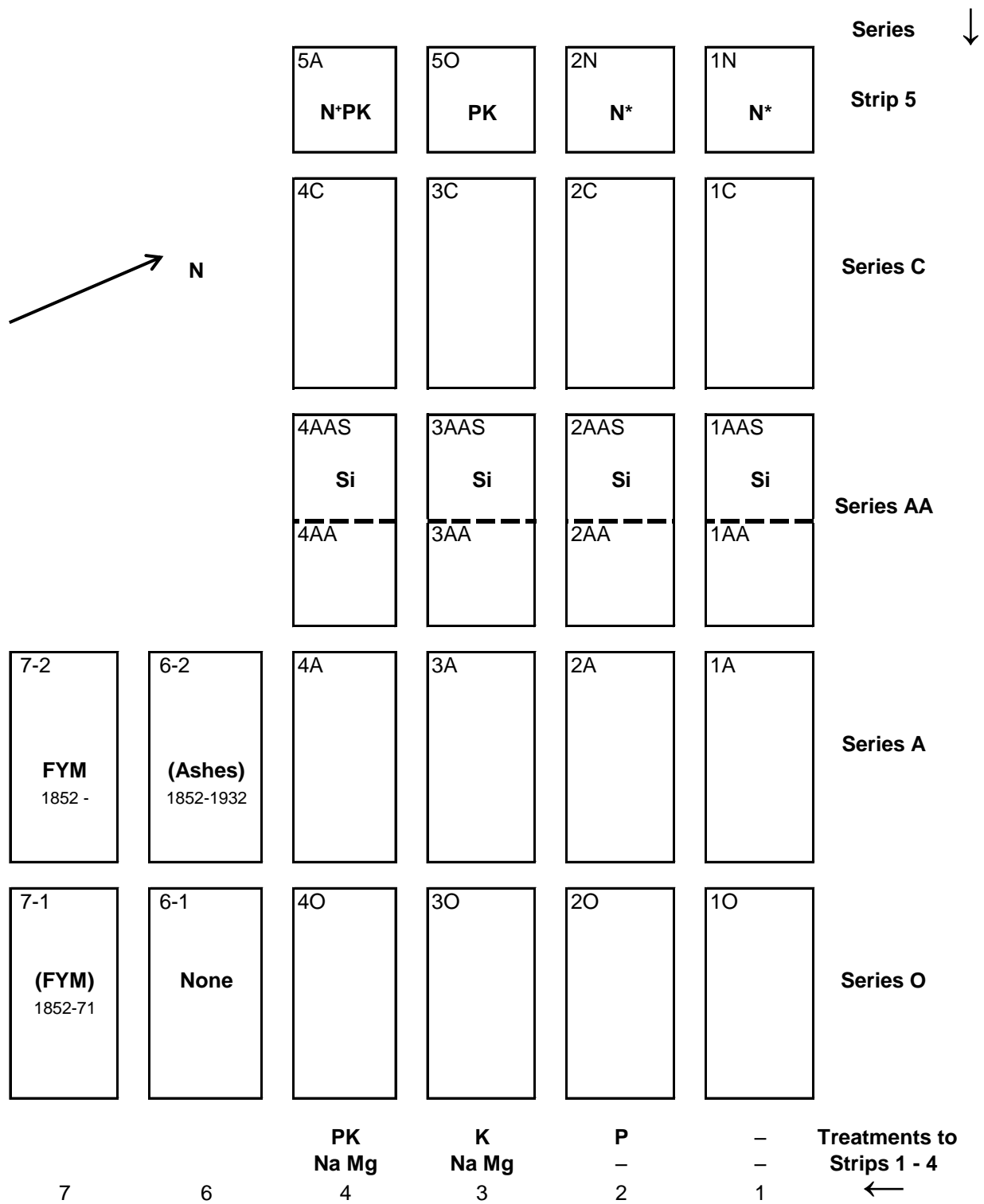


## Hoosfield spring barley 1852 - 1967



Derived from plan in 'Details of the Classical and Long-term experiments up to 1967'  
Rothamsted Experimental Station, published in 1970, p18.

## Hoosfield treatments 1852-1967

**Fertilizer** treatments (per hectare per year unless indicated)

Nitrogen (applied in the spring)

Series O	No N fertilizer
Series A	48kg N as ammonium sulphate
Series AA	48kg N as sodium nitrate
Series C	48kg N as castor bean meal since 1941; rape cake 1852-1940
N*	48kg N as sodium nitrate
N <sup>+</sup>	48kg N as ammonium sulphate

Series treatments applied to strips 1-4 only. Not applied to strips 6 and 7

Organics (applied in the spring)

FYM 1852 -	35t Farmyard manure since 1852
(FYM) 1852-71	35t Farmyard manure, 1852-1871 only

Minerals (applied in the spring)

P	35kg P as superphosphate
K	90kg K as potassium sulphate
Na	15kg Na as sodium sulphate
Mg	11kg Mg as magnesium sulphate
Si	450kg sodium silicate since 1868; 450kg calcium silicate and sodium silicate 1862-67

(Ashes) Ashes were added to minerals to aid spreading, 1852-1932 only

### **Lime:**

Lime has been applied as required since the 1950s to maintain soil pH at a level that does not compromise yield. For more details see 'Details up to 1967'.

### **Notes:**

A combined yield is given for plots 7-1 and 7-2 1852-1871.  
From 1872 onwards, plots 7-1 and 7-2 are harvested separately.

### **Cropping:**

Spring barley grown every year except 1912, 1933, 1943 and 1967  
when the whole experiment was fallowed to control weeds.

**Reference:** 'Details of the Classical and Long-term experiments up to 1967'  
Rothamsted Experimental Station, published in 1970, p18.