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ROTHAMSTED
RESEARCH

Collection of Plans for the Hoos Barley Experiment

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Default Title

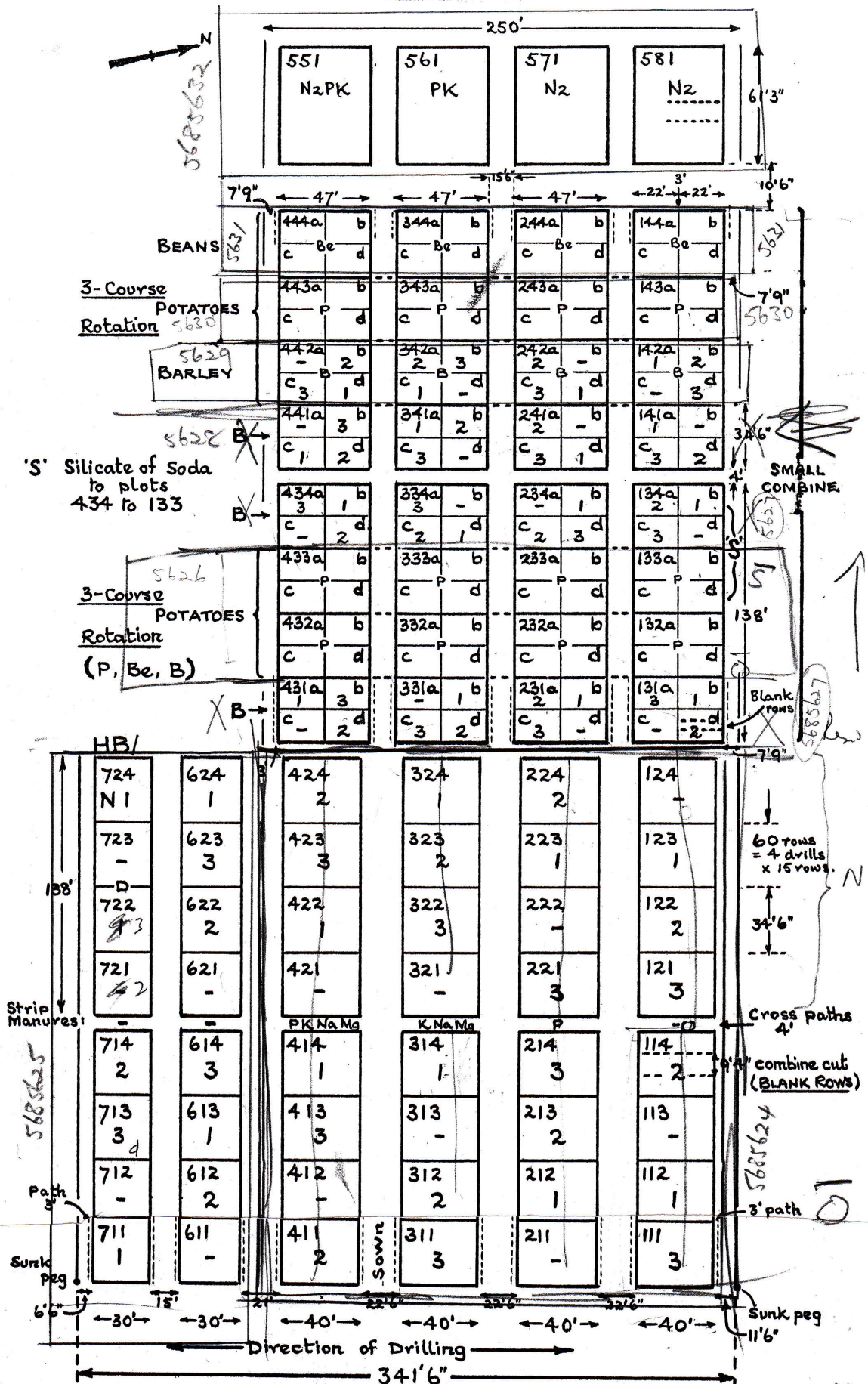
Rothamsted Research

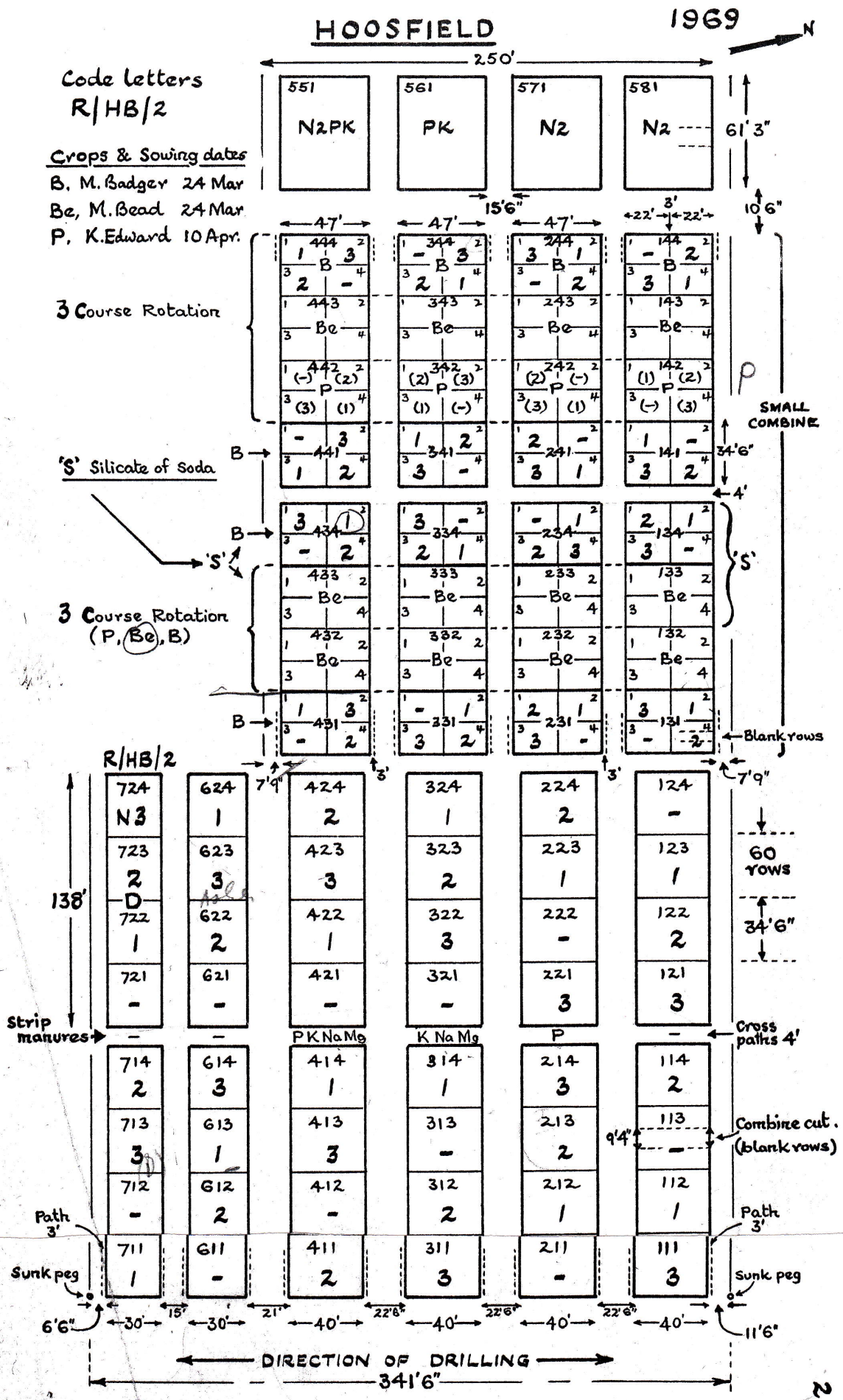
Rothamsted Research (1968-1987) *Default Title* ; Collection Of Plans For The Hoos Barley Experiment, pp 1 - 20

Code Letter: HB

HOOSFIELD

1968





1970
70/R/HB/2

HOOSFIELD

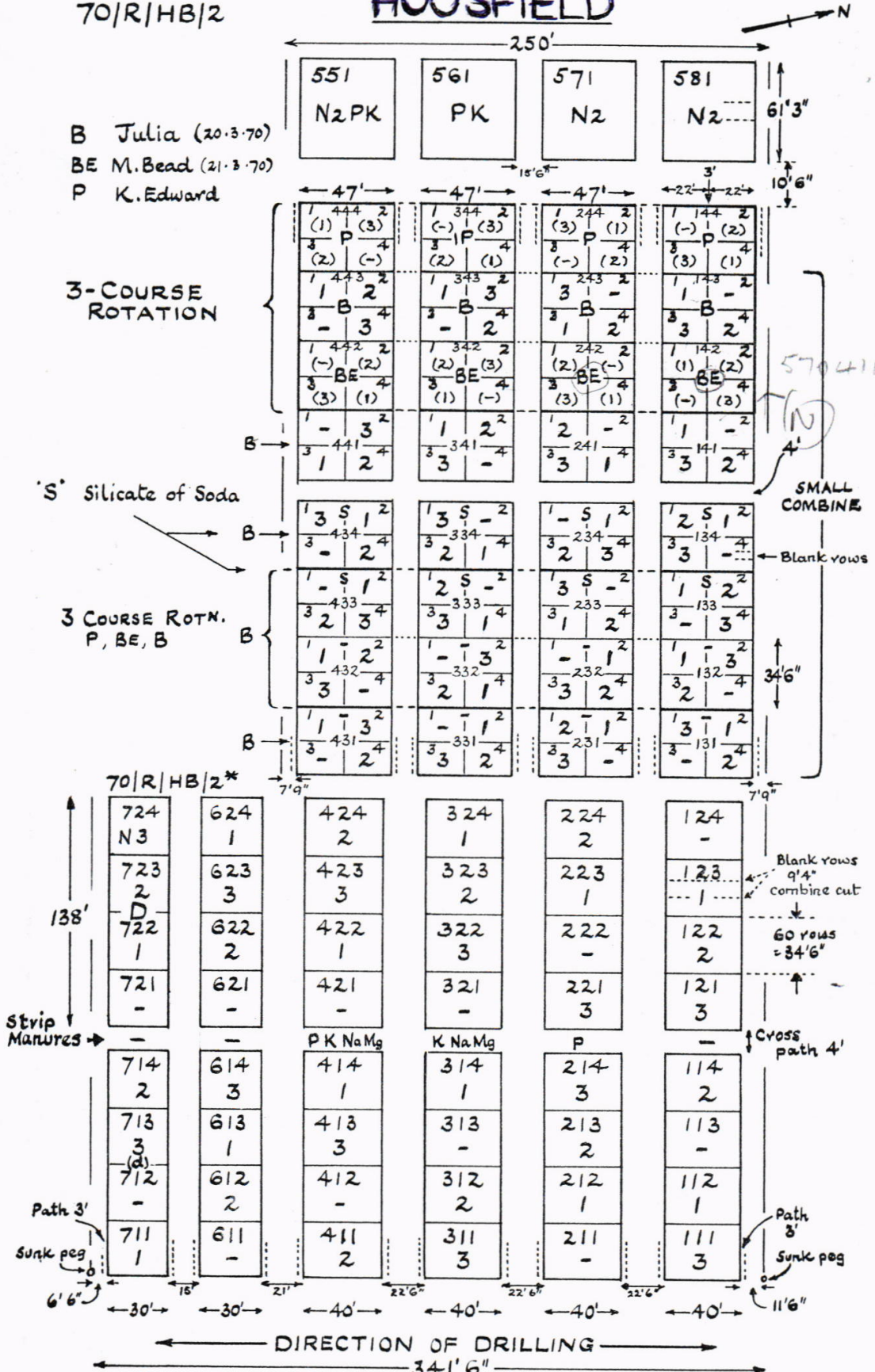
B Julia (20.3.70)
BE M. Bead (21.3.70)
P K. Edward

3-COURSE ROTATION

'S' Silicate of Soda

3 COURSE ROTN.
P, BE, B

70/R/HB/2*



DIRECTION OF DRILLING →
72.D FYM since 1852. 71.(d) FYM 1852 - 71 none since.
* See also R/B/B, Comparison of Combines.

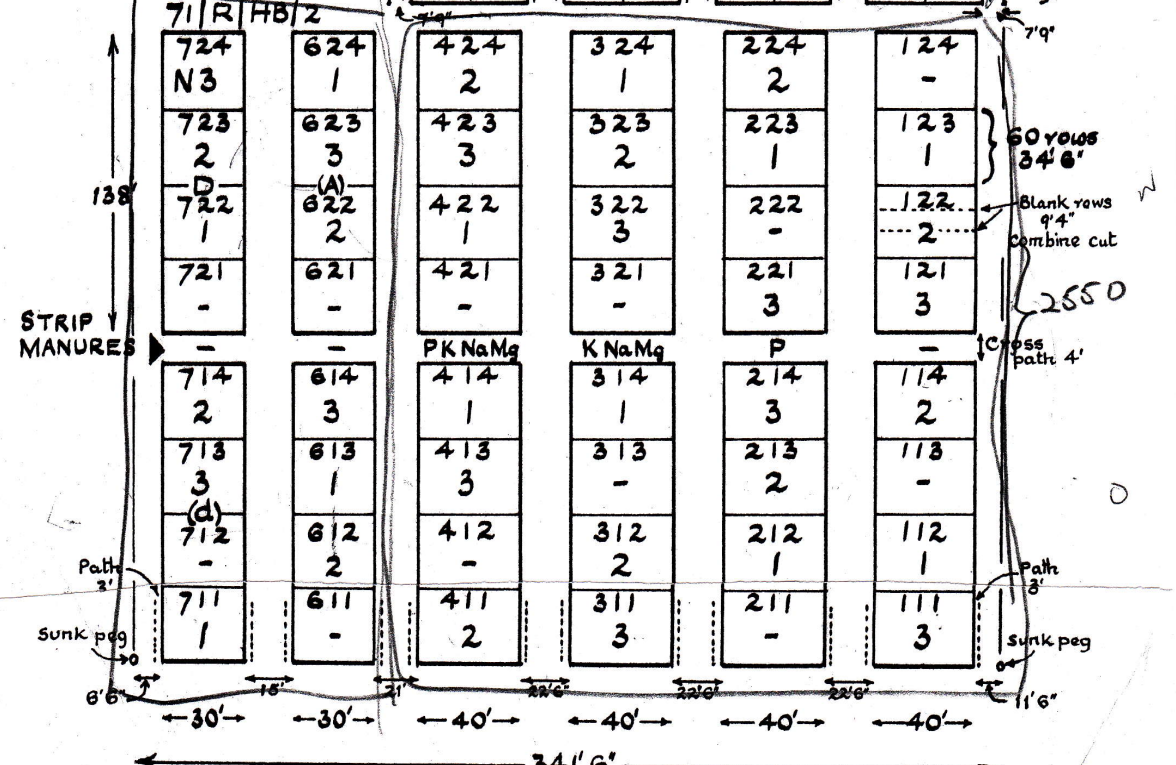
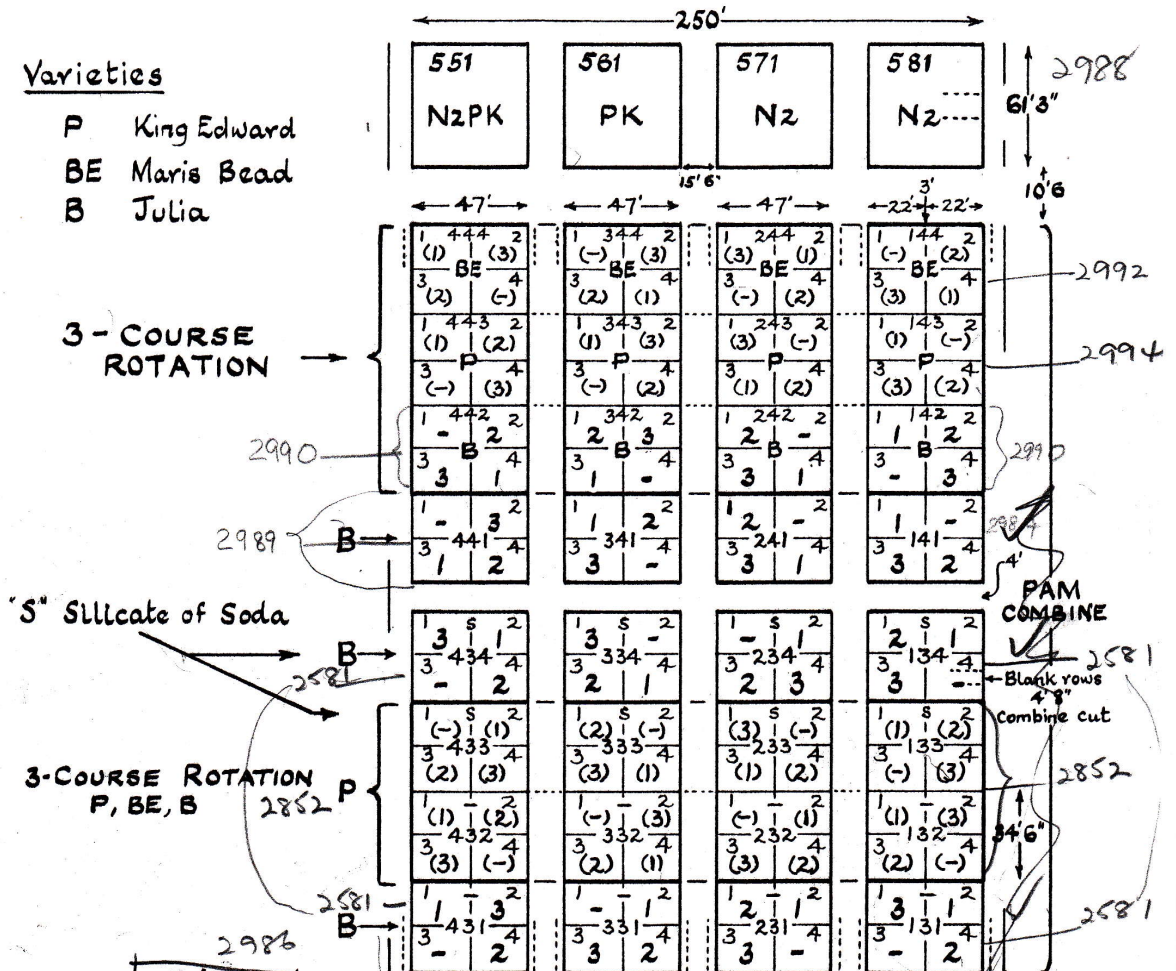
71/R/HB/2

HOOSFIELD



Varieties

- P King Edward
- BE Maris Bead
- B Julia



Sowing dates: Barley and Beans, 24 Feb. 1971. Potatoes, 2 Apr 1971

120

1972

HOOSFIELD

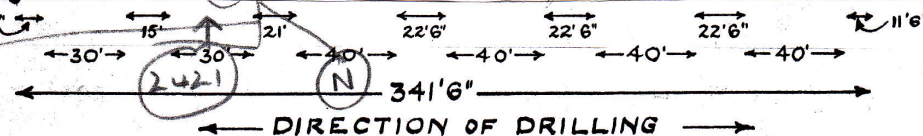
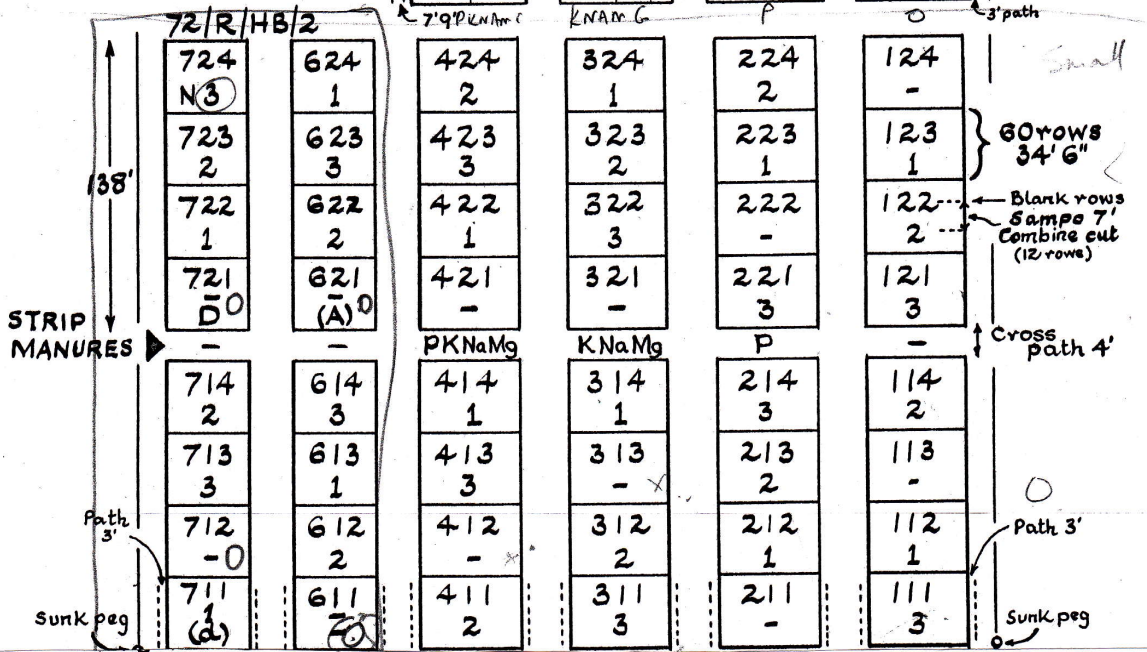
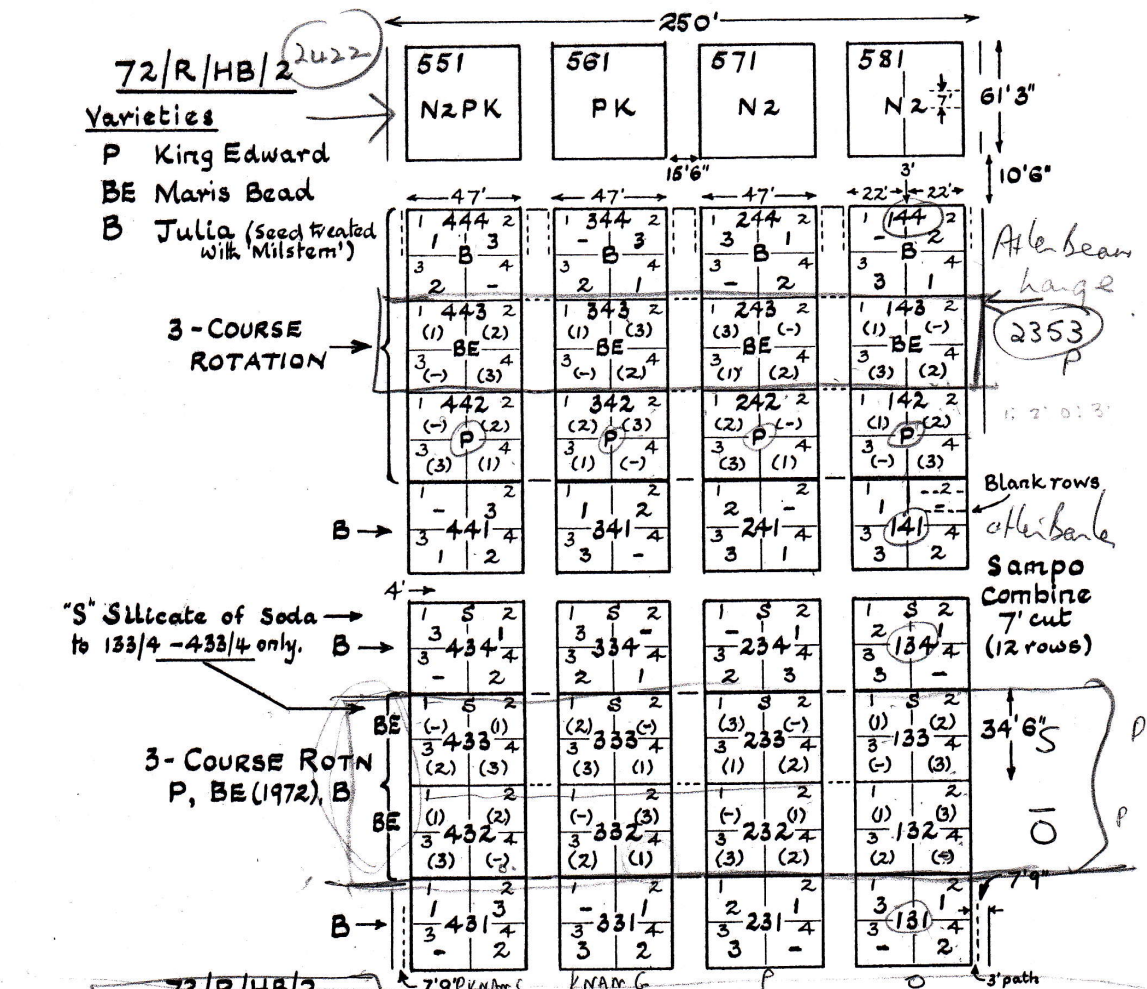


72/R/HB/2 (2022)
Varieties
 P King Edward
 BE Maris Bead
 B Julia (seed treated with Miltstem')

3-COURSE ROTATION

"S" Silicate of Soda to 133/4 - 433/4 only.

3-COURSE ROTN P, BE (1972), B



Sowing Dates: Julia barley 15 March, Maris Bead beans 16 March. at 140lb/a at 200lb/a

1973

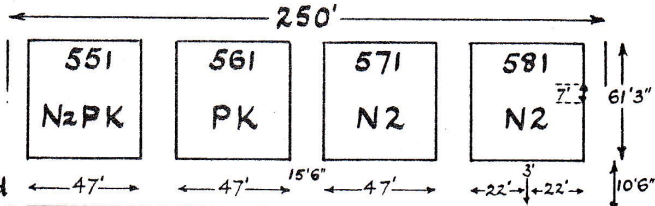
HOOSFIELD



73/R/HB/2

Varieties

- P King Edward
- BE Maris Bead
- B Julia (seed treated with ethirimol)



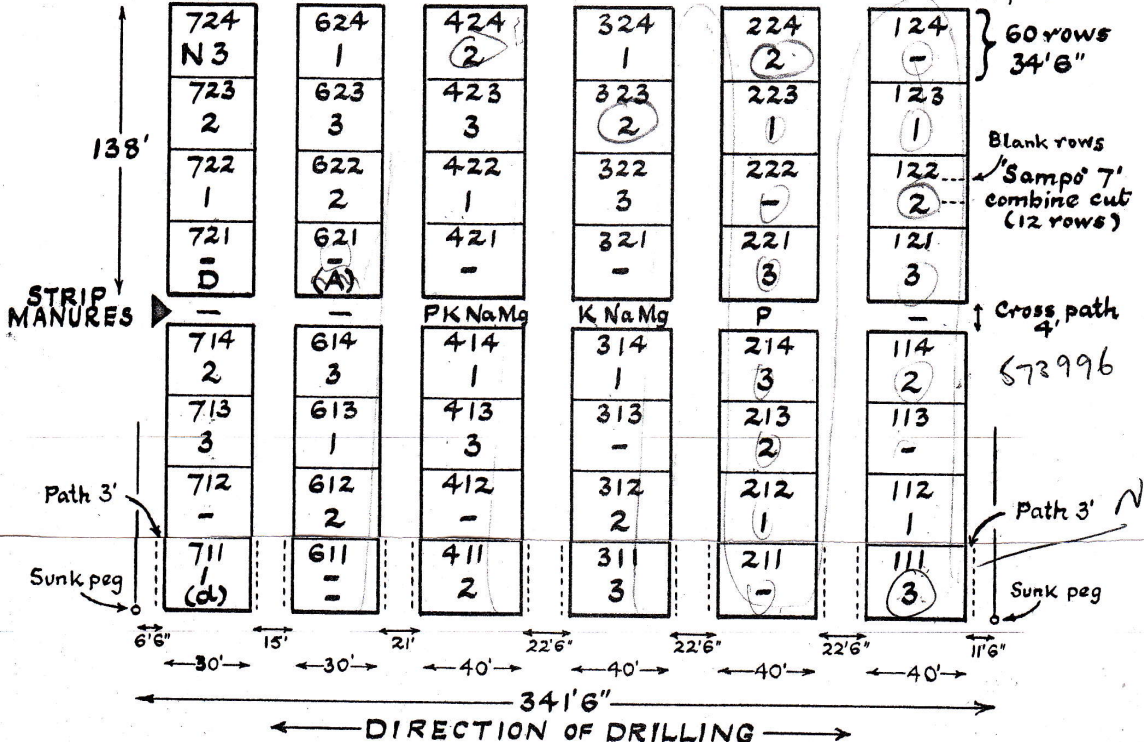
3-COURSE ROTATION
P, BE, B

[Castor bean meal to Series C (141-444) discontinued in 1968]

'S' Silicate of soda to 133/4 - 434/4 only

3-COURSE ROTN
P, BE, B

73/R/HB/2



Barley & Beans sown 8 Mar 1973 Potatoes planted

N

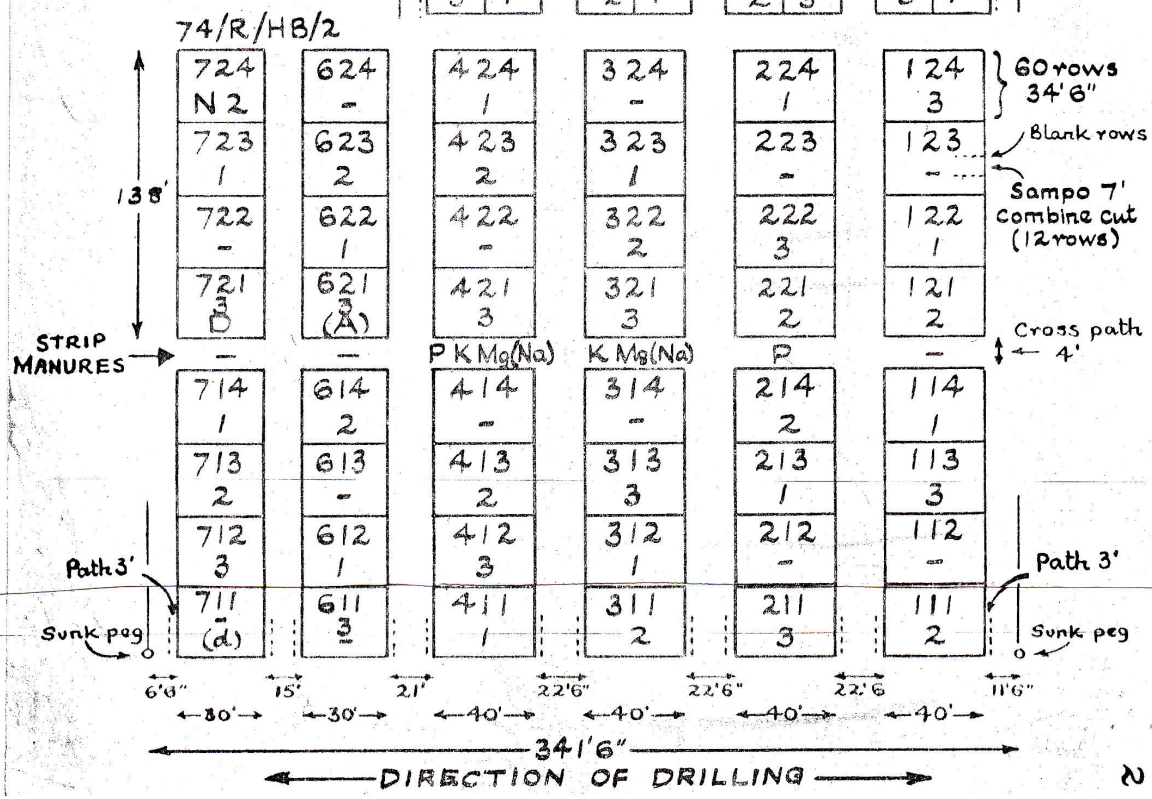
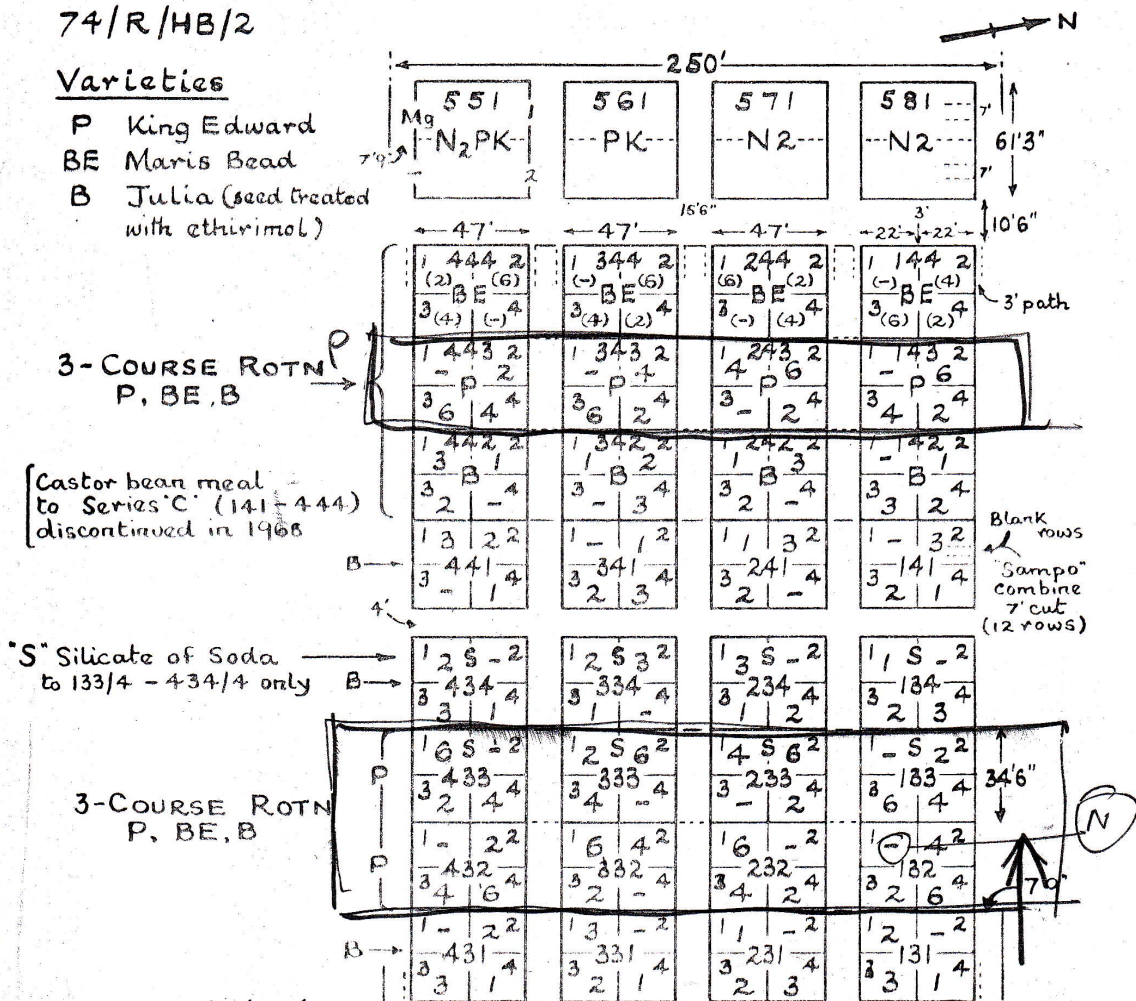
Revised N Scheme

HOOSFIELD 1974

74/R/HB/2

Varieties

- P King Edward
- BE Maris Bead
- B Julia (seed treated with ethirimol)



HOOSFIELD 1975

75/R/HB/2

Varieties

- P King Edward
- BE Maris Bead
- B Julia

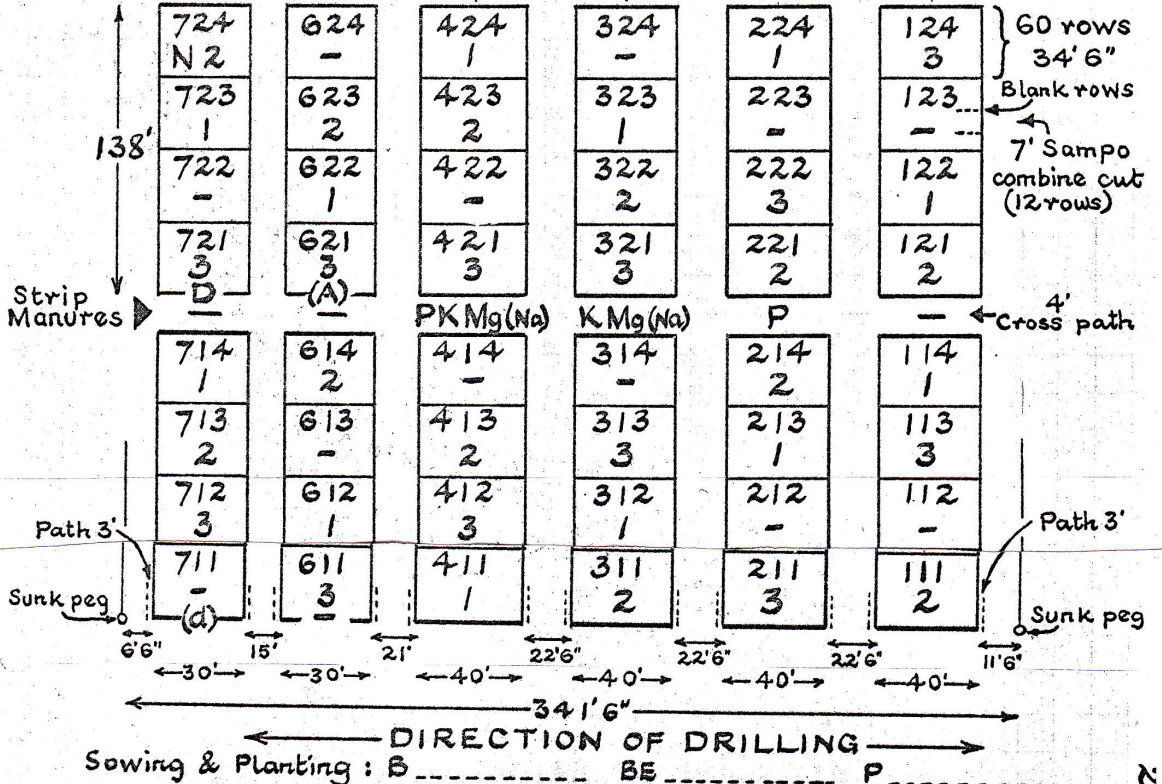
3-COURSE ROTN
P, BE, B

(Castor bean meal to Series 'C' (141-444) discontinued in 1968)

'S' Silicate of Soda to 133/4 - 434/4 only

3-COURSE ROTN
P, BE, B

75/R/HB/2

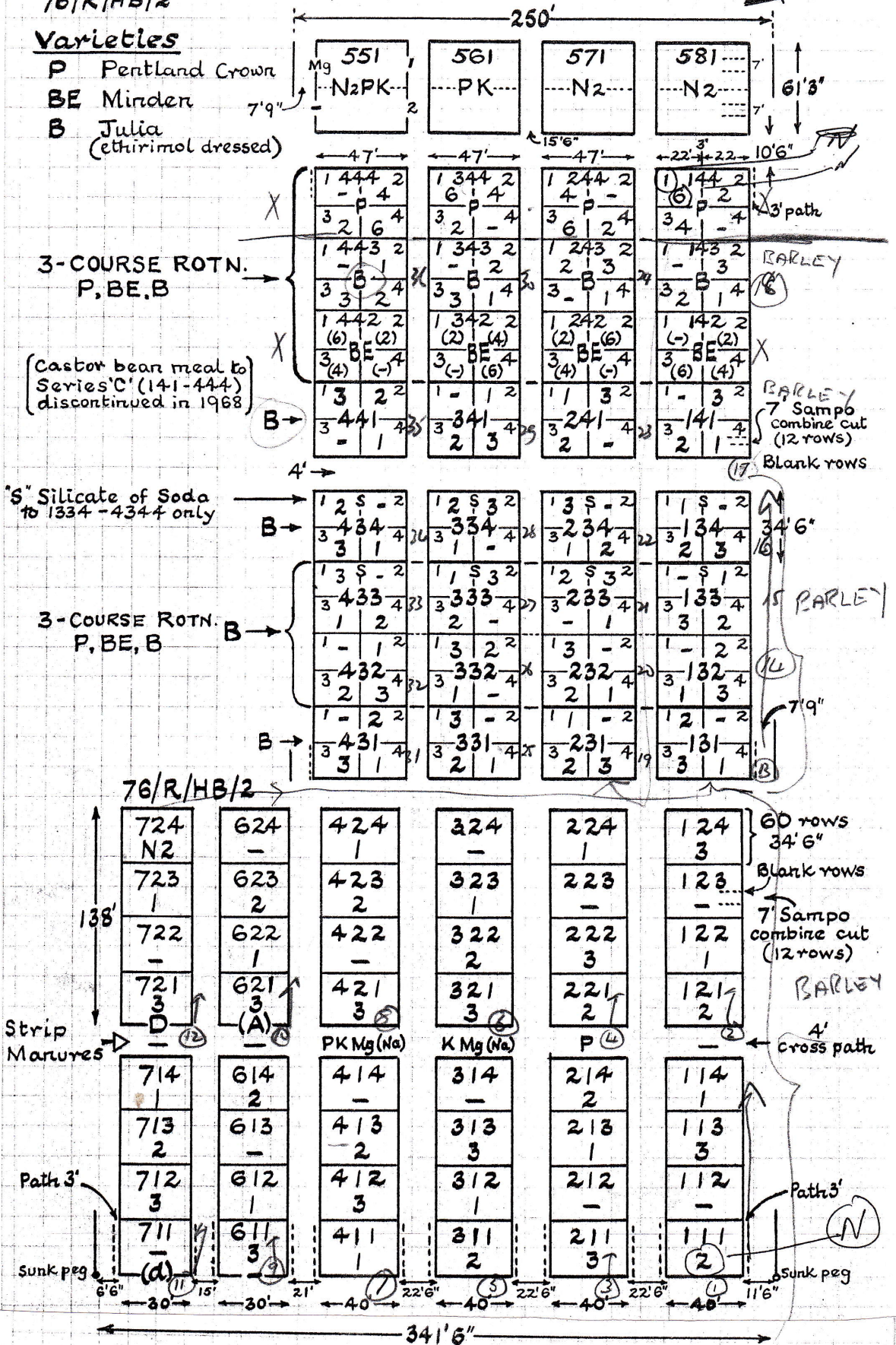


76/R/HB/2

HOOSFIELD 1976

Varieties

- P Pentland Crown
- BE Minden
- B Julia (ethirimol dressed)



HOOSFIELD 1977

77/R/HB/2

Varieties

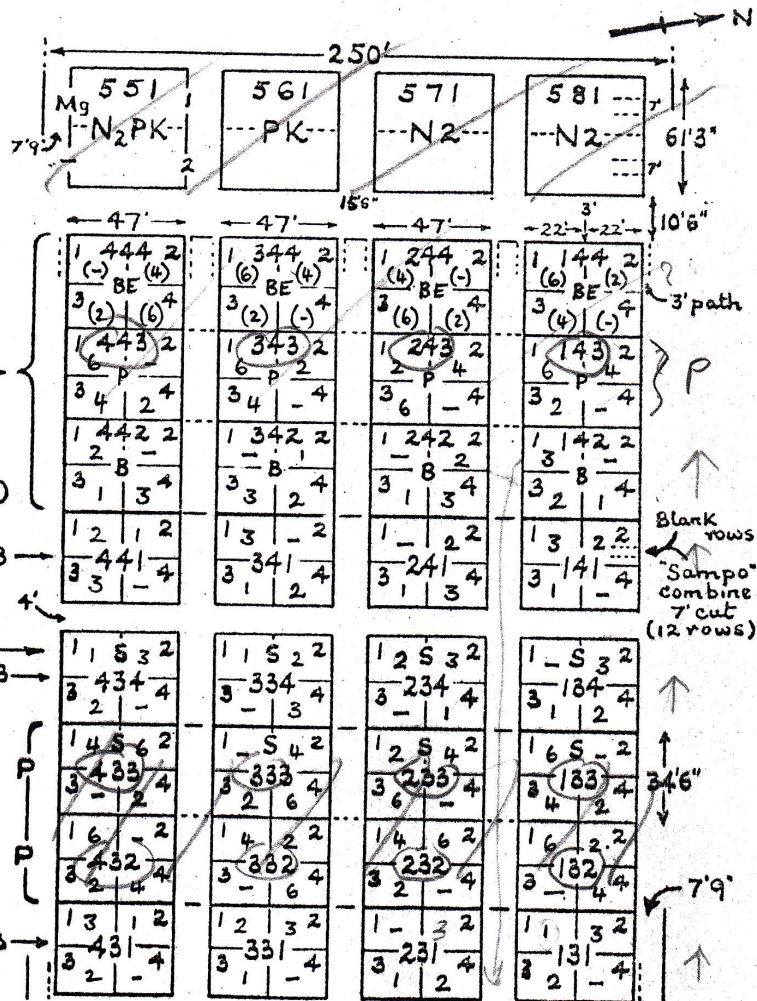
- P PenHand Crown
- BE Minden
- B Julia (seed treated with ethirimol)
- B sown 8/3/77
- BE sown 9/3/77
- P planted 19/4/77

3-COURSE ROTN
P, BE, B

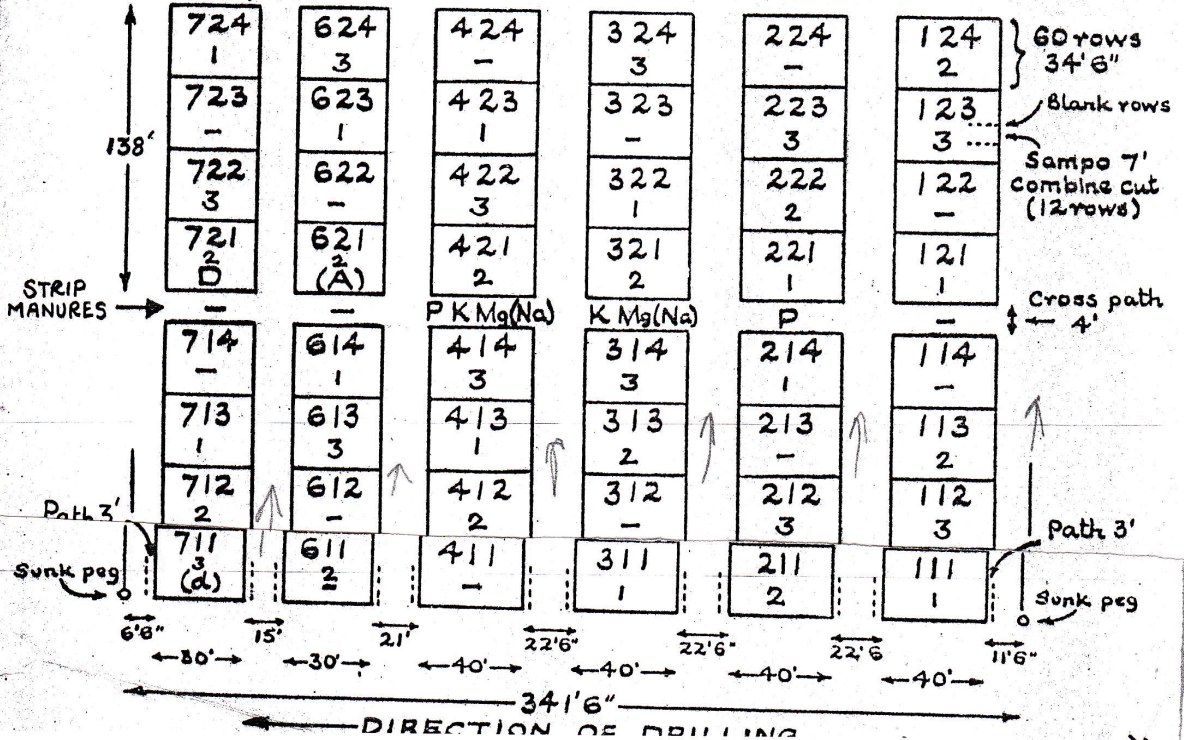
Castor bean meal to Series 'C' (141-444) discontinued in 1968

S Silicate of Soda to 1334 - 4344 only

3-COURSE ROTN
P, BE, B



77/R/HB/2



HOOSFIELD 1978

78/R/HB/2

Varieties

- P Portland Crown
- BE Minden
- B Julia (dressed, etbis:mel)

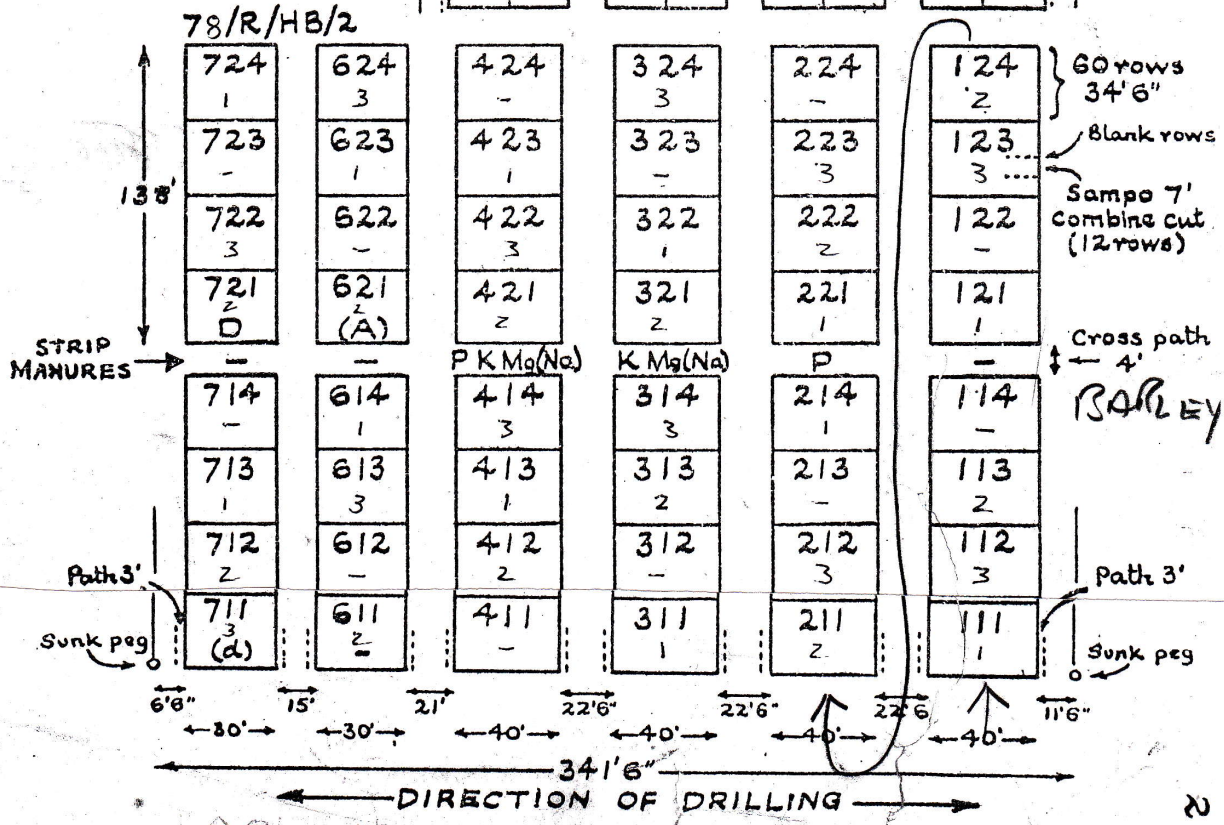
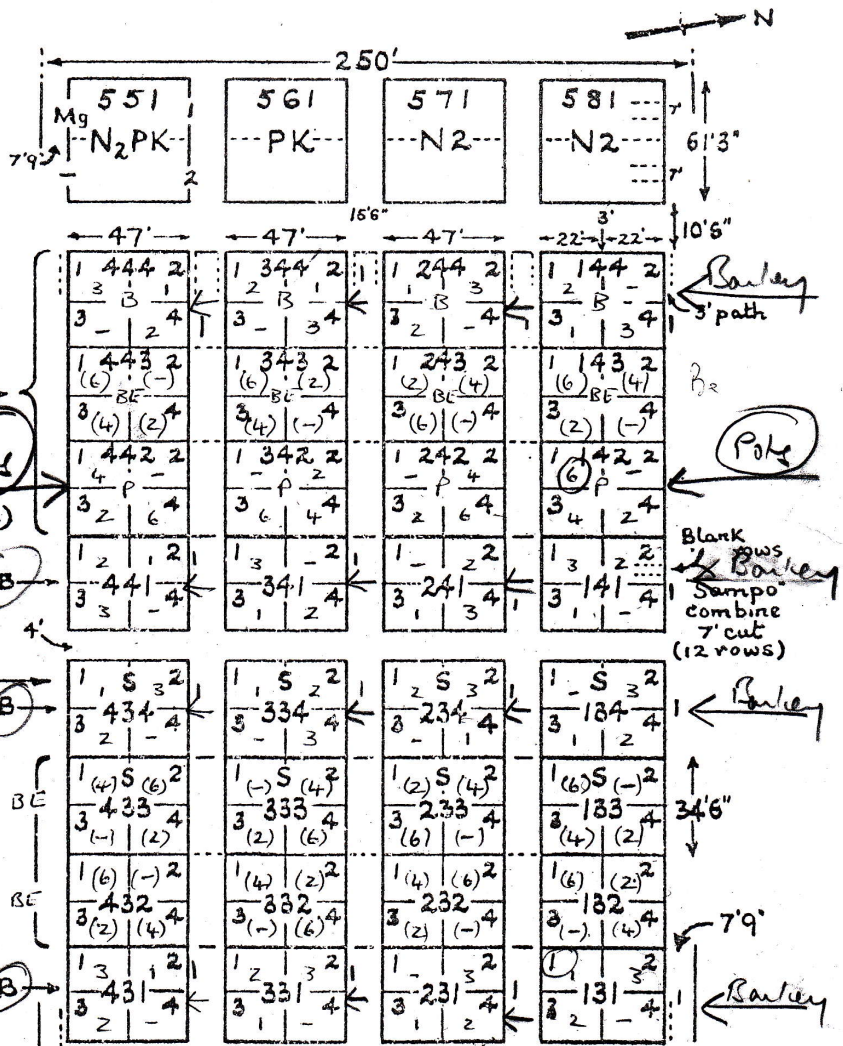
R sown 22+30 March
 BE sown 30 March
 P planted 12 May
 + large plots
 + small plots

3-COURSE ROTN
 P, BE, B

Castor bean meal to Series 'C' (141-444) discontinued in 1968

5' Silicate of Soda to 1334 - 4344 only

3-COURSE ROTN
 P, BE, B



HOOSFIELD 1979

SPONSORS: J.F. Tenhyn, A.E. Johnston, I. McEwen

79/R/HB/2

ALL PLOTS IN BARLEY 1979

VARIETY

B Julia (seed not dressed ethereal) sown at 140lb/ac (157kg/ha) on 6 April

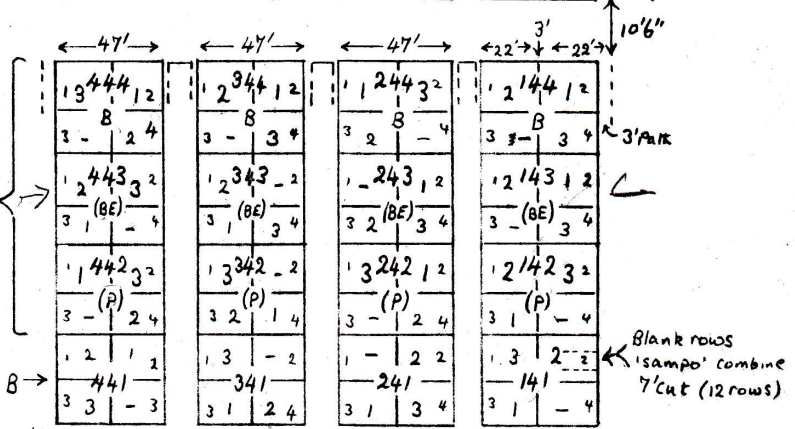
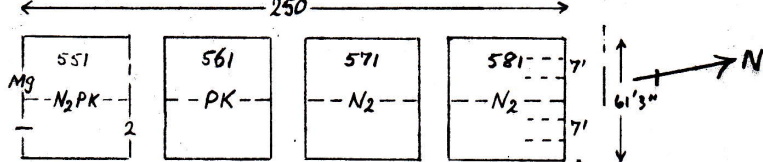
3-COURSE ROTATION

P, BE, B until 1978

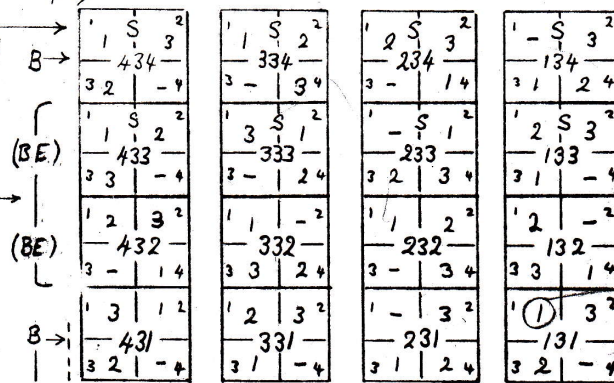
(P) = Potatoes 1978

(BE) = Beans 1978

[Castor bean meal to series 'c' (141-444) discontinued 1968



S' Silicate of soda to 133-434 only

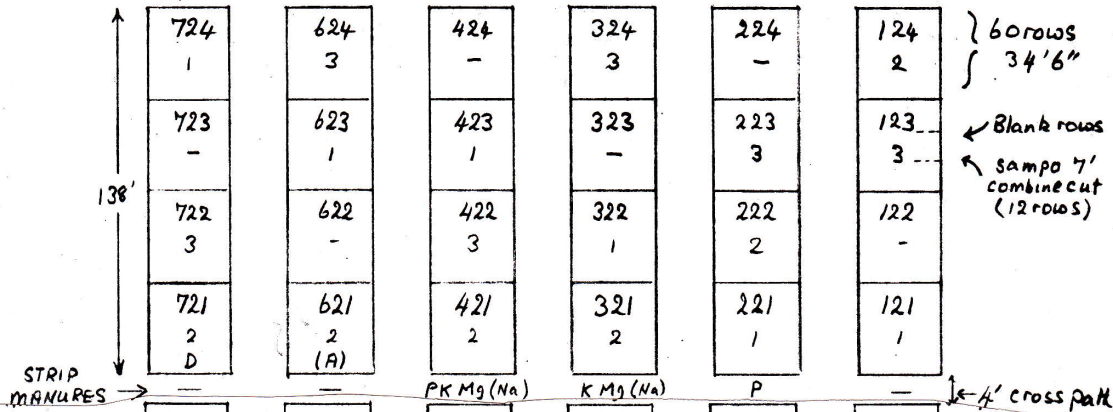


3 COURSE ROTATION

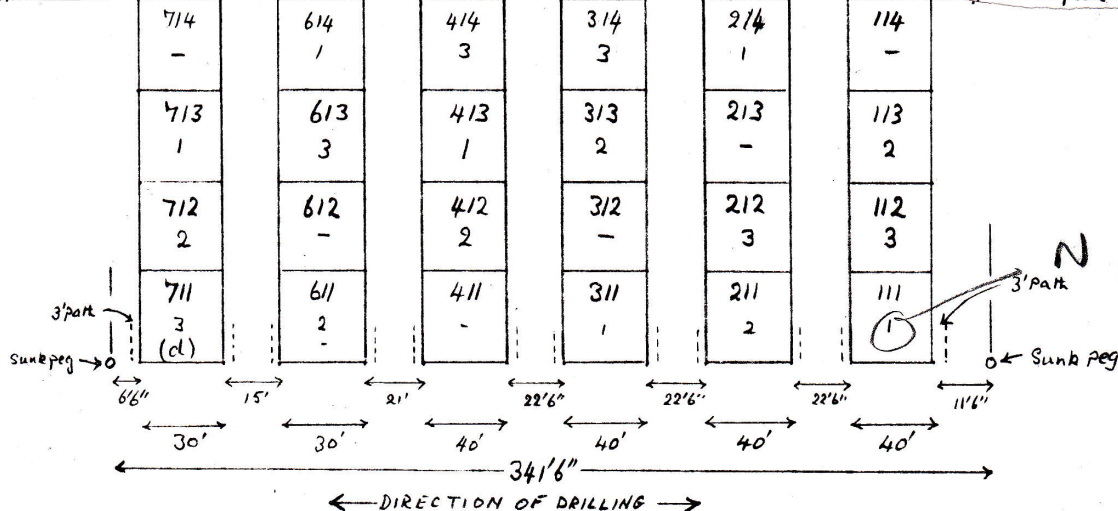
P, BE, B until 1978

(BE) = Beans 1978

79/R/HB/2



STRIP MANURES



HOOSFIELD 1980

SPONSORS: J.F. Jenkyn, A.E. Johnston, J. McEwen

80/R/HB/2

HLL PLOTS IN BARLEY FROM 1979

VARIETY

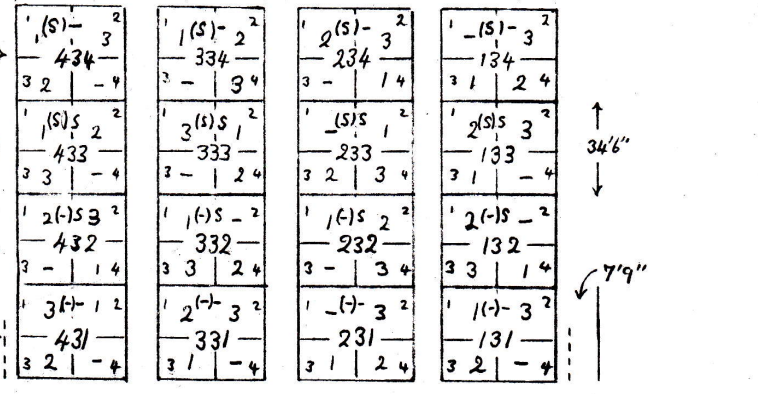
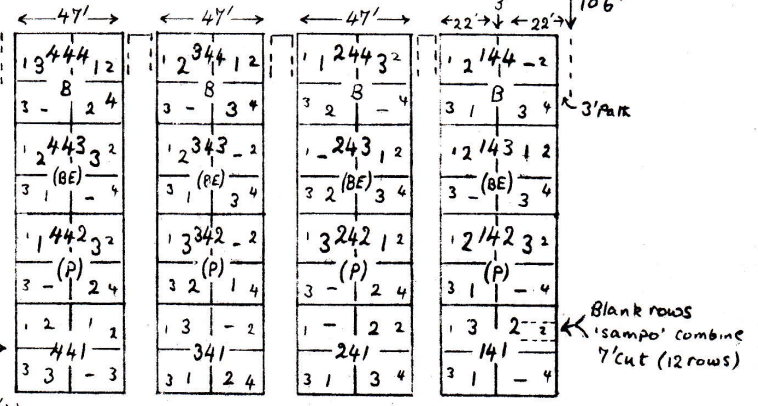
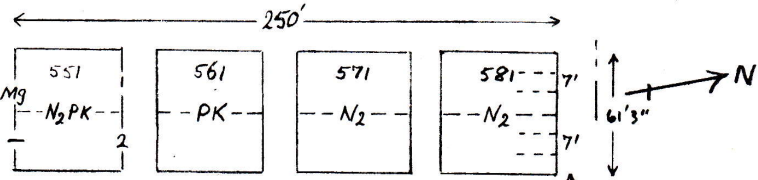
Georgie, seed dressed Btkimol, now at 130 lb/ae (146 lb/ha) on 21 February

3-COURSE ROTATION
P, BE, B until 1978
(P) = Potatoes 1978
(BE) = Beans 1978

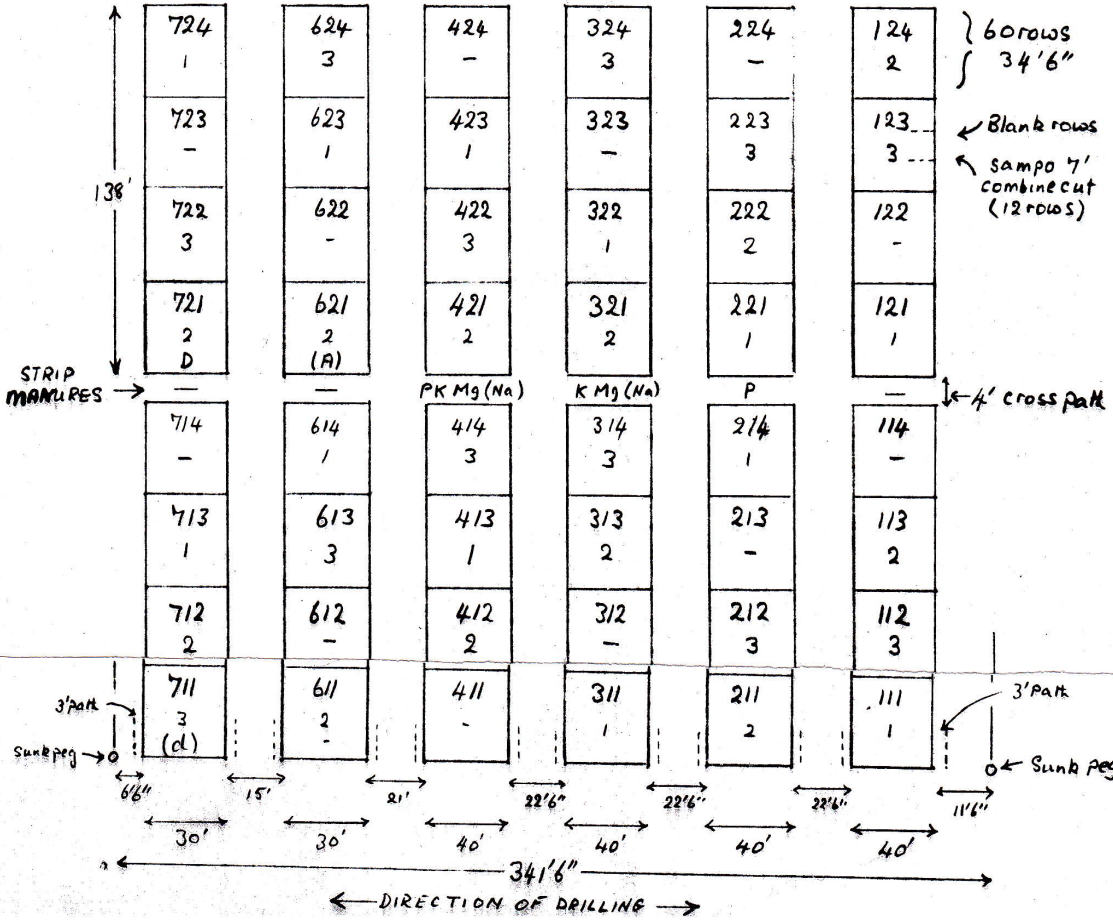
Series C (141-444): Castor bean meal last applied for 1968 crop
PK Mg last applied for 1979.

NOTE Revised arrangements starting autumn 1979 on plots 131-434
(s) - Silicate of Soda until 1979 crop
(S)S " " " every year
(-)S " " " since 1980
(-) - None

3 COURSE ROTATION
P, BE, B until 1978
(BE) = Beans in 1978.



80/R/HB/2



130th YEAR HOOSFIELD 1981

Sponsors: J. F. Jenkyn, A. E. Johnston, J. McEwen

81/R/HB/2

CONTINUOUS BARLEY

VARIETY

Georgie, seed dressed & limed, sown at 140 lb/ac (157 lb/ha) on 17 February

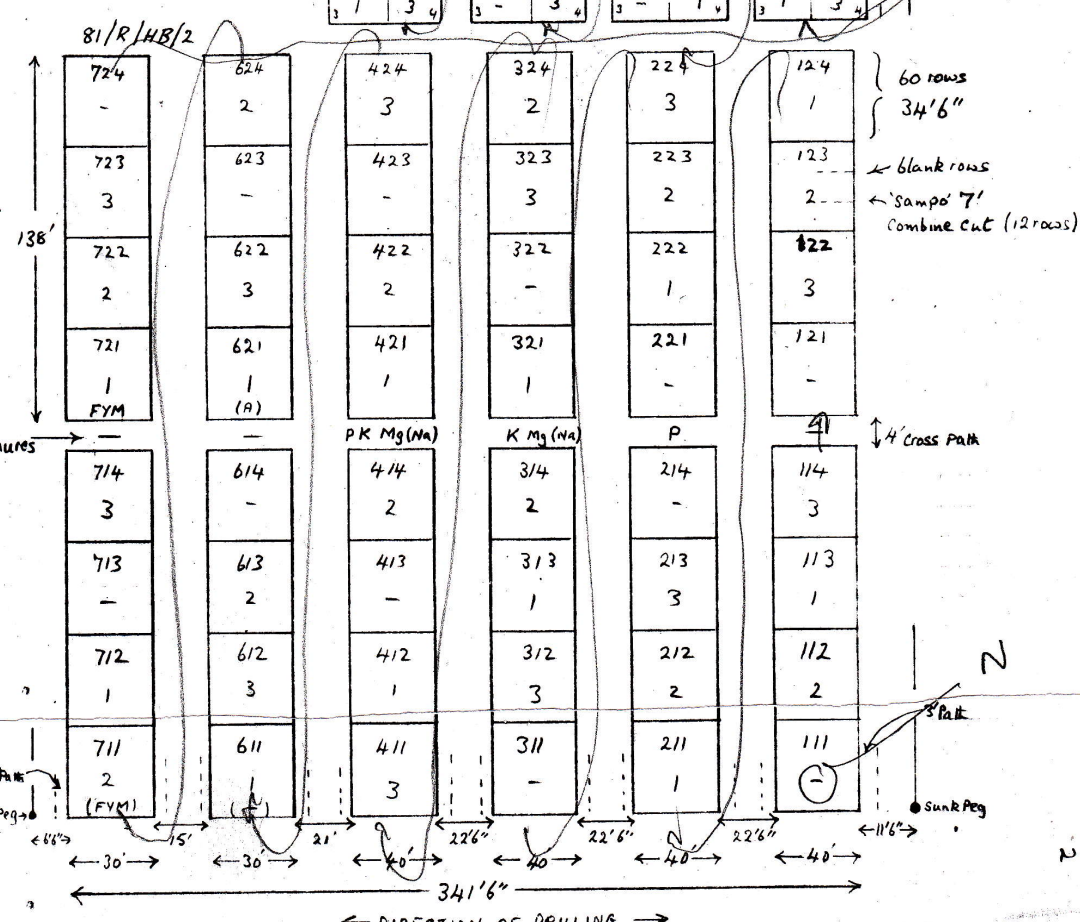
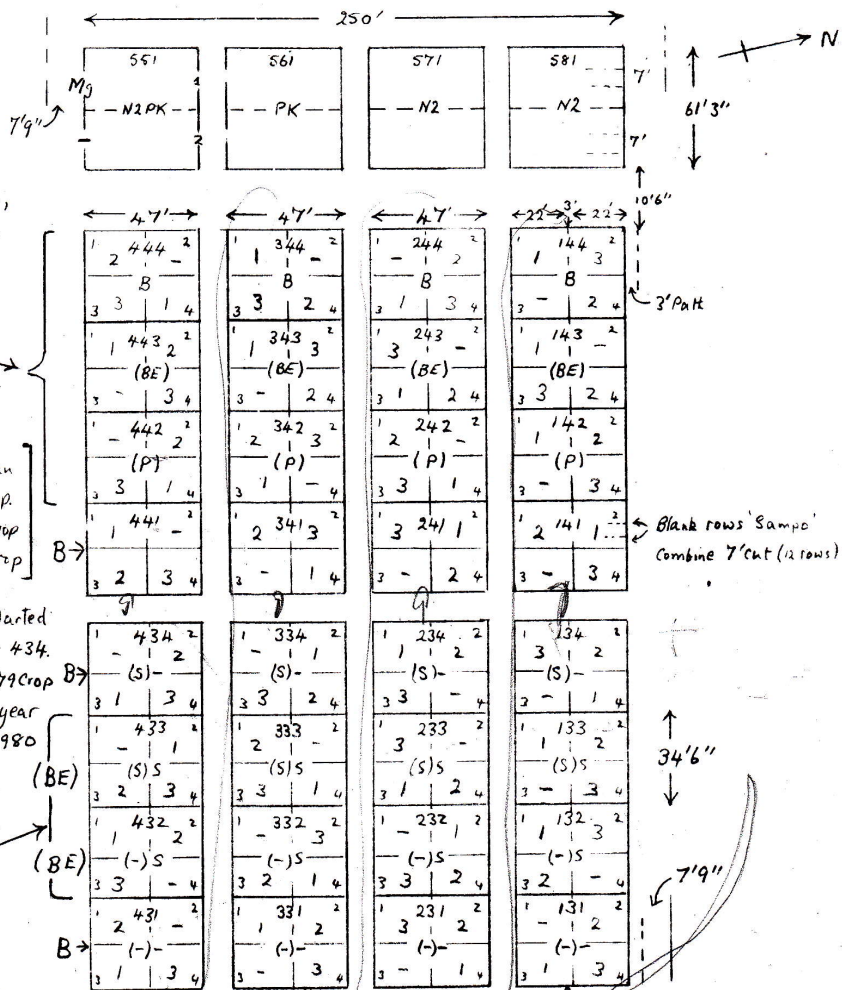
3 course rotation

P, BE, B until 1978
(P) = Potatoes 1978
(BE) = Beans 1978

Series C (141-444): Castor bean meal last applied for 1968 crop
PK last applied for 1979 crop
Mg last applied for 1977 crop

NOTE: Revised arrangements started autumn 1979 on plots 131-434.
(S) - Silicate of Soda until 1979 crop
(S)S " " " every year
(-)S " " " Since 1980
(-) - None

3 Course Rotation
P, BE, B until 1978
(BE) = Beans in 1978



131st YEAR HOOSFIELD 1982 Sponsors: J.F. Jenkin, A.E. Johnston, J. McEwen

82/R/HB/2

CONTINUOUS BARLEY

VARIETY

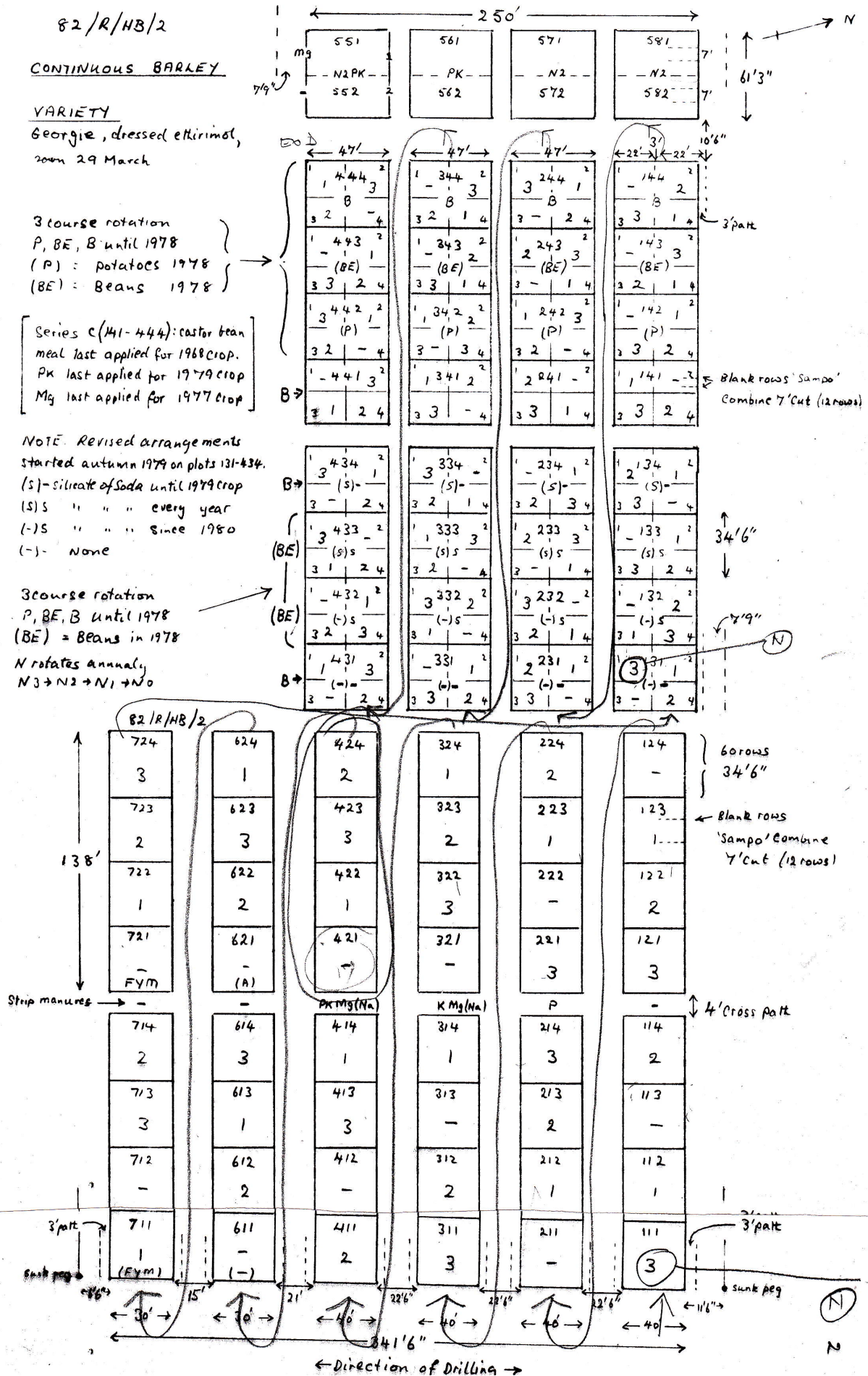
Georgie, dressed etkirimol,
sown 29 March

3 course rotation
P, BE, B until 1978
(P) = potatoes 1978
(BE) = Beans 1978

Series C (41-444): castor bean meal last applied for 1988 crop.
PK last applied for 1979 crop
Mg last applied for 1977 crop

NOTE: Revised arrangements started autumn 1979 on plots 131-434.
(S) - silicate of soda until 1979 crop
(S)S " " " every year
(-S) " " " since 1980
(-) - None

3 course rotation
P, BE, B until 1978
(BE) = Beans in 1978
N rotates annually
N3 → N2 → N1 → N0



132 net YEAR
83 / R / HB / 2

CONTINUOUS BARLEY

VARIETY

Georgie, dressed et kimol, 2000

1.354 at 140 lb/ac (157 kg/ha)
on 9/3/83

3 course rotation
P, BE, B until 1978
(P) = Potatoes in 1978
(BE) = Beans in 1978

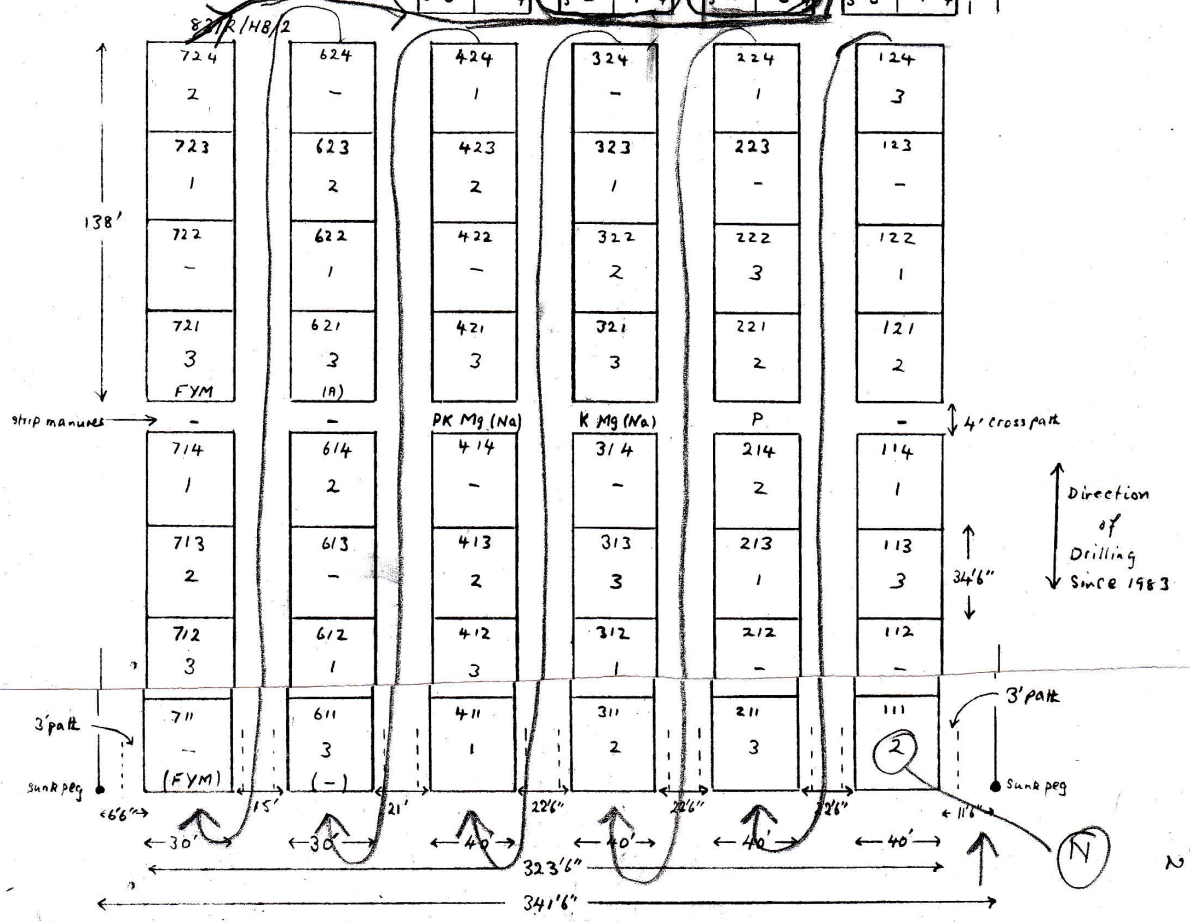
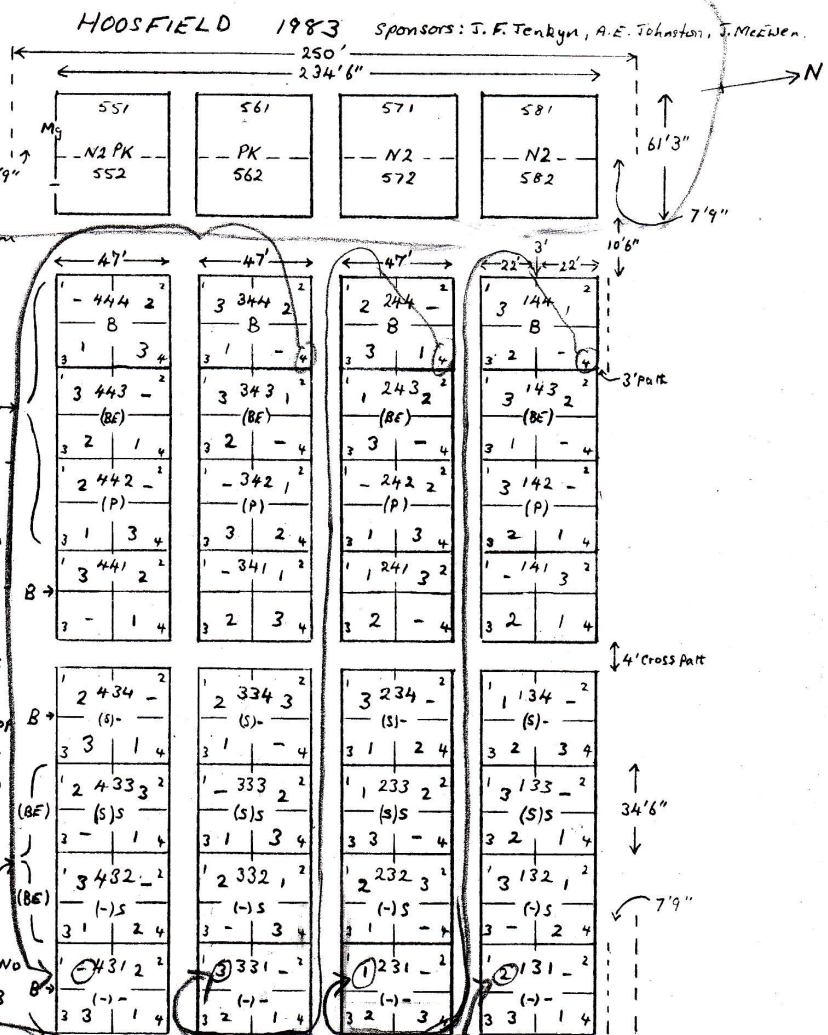
Series C (141-444): castor bean
meal last applied for 1968 crop
PK last applied for 1979 crop
Mg last applied for 1977 crop

NOTE: Revised arrangements
started Autumn 1979 on plots
131-434.

(S) - Silicate of soda until 1979 crop
(S)S " " " " every year
(-S) " " " " since 1980
(-I) - None

3 course rotation
P, BE, B until 1978
(BE) = Beans in 1978

N rotates annually N3 → N2 → N1 → N0
direction of drilling changed 1983



133 rd. YEAR
84/R/HB/2

HOOSFIELD 1984 Sponsors: F.F. Jenkyn, A.E. Johnston, J. McEwen

CONTINUOUS S. BARLEY

VARIETY

Triumph, seed dressed 'Baytan'
sown at 140 lb/ae (157 kg/ha)
on 8 March

3 course rotation

P, BE, B until 1978
(P) = Potatoes in 1978
(BE) = Beans in 1978

[Series C (141-444): castor bean
meal last applied for 1968 crop.
PK last applied for 1979 crop
Mg last applied for 1977 crop]

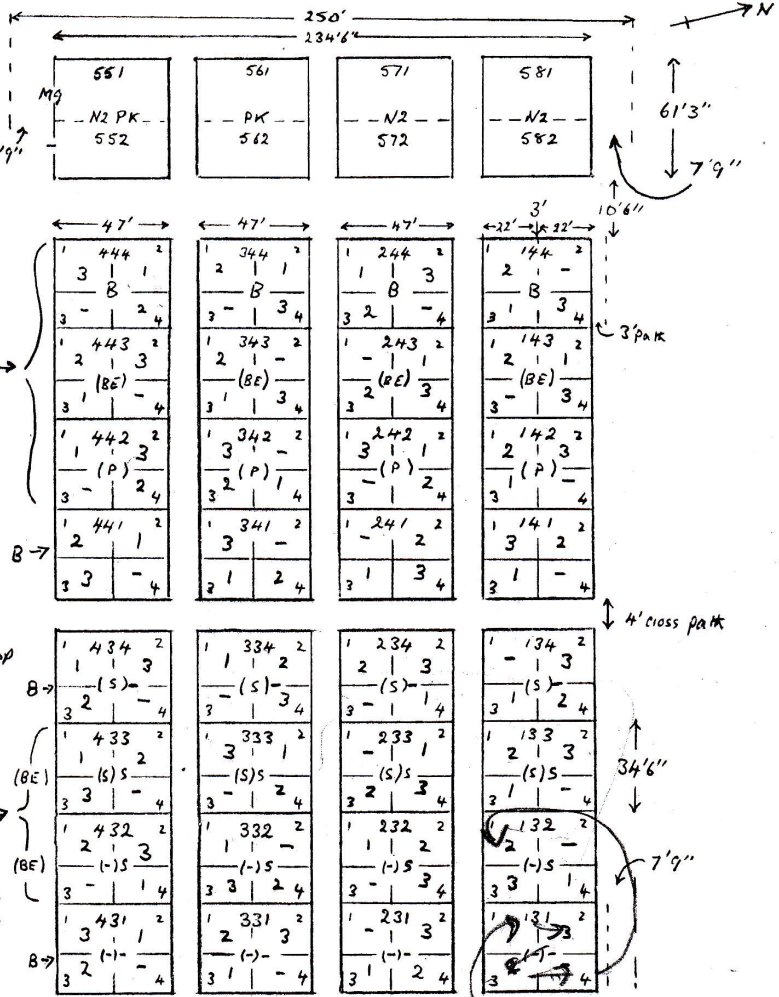
NOTE: Revised arrangements
started Autumn 1979 on
plots 131-434

(S) - silicate of Soda until 1979 crop
(S)S " " " every year
(-)S " " " since 1980
(-) - None

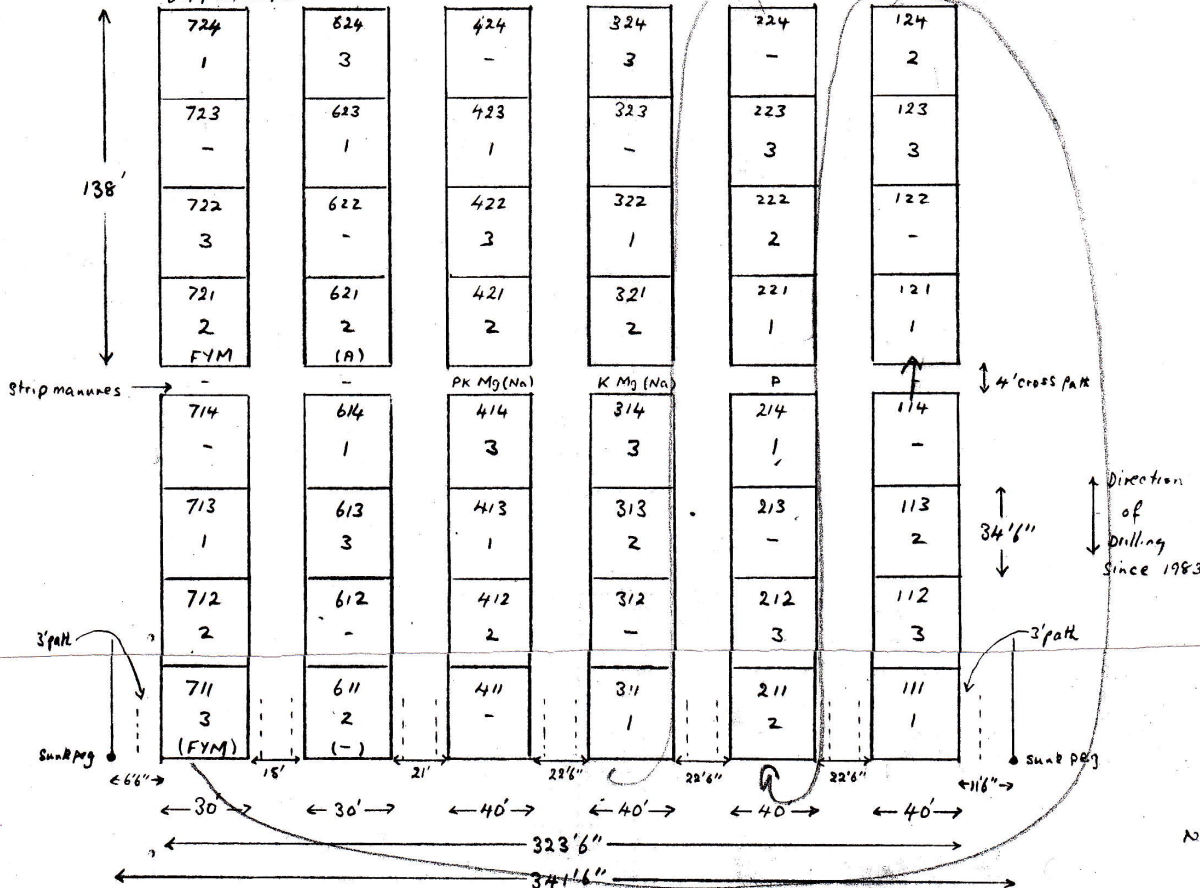
3 course rotation

P, BE, B until 1978
(BE) = Beans in 1978

N rotates annually N3 → N2 → N1 → N0
Direction of drilling changed 1983



84/R/HB/2



134 H. YEAR

HOOSFIELD

1985

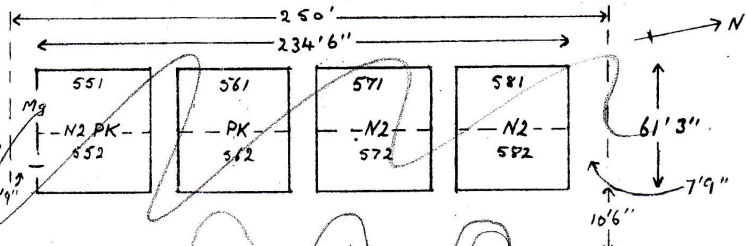
Sponsors: J.F. Jenkyn, A.E. Johnston, J. McEwen

85/R/HB/2

CONTINUOUS BARLEY

VARIETY

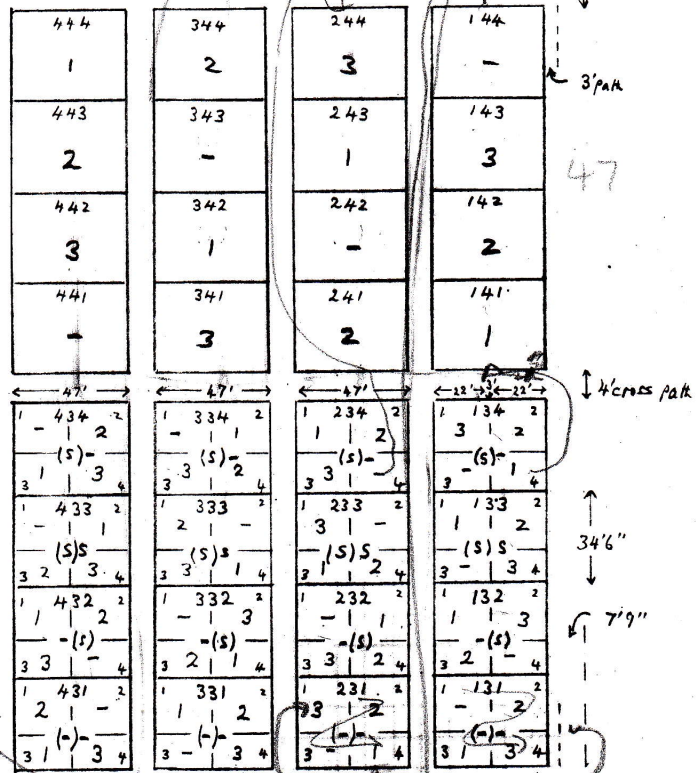
Triumph, seed dressed 'Baytan'
Sown at 157 kg/ha
on 13 March



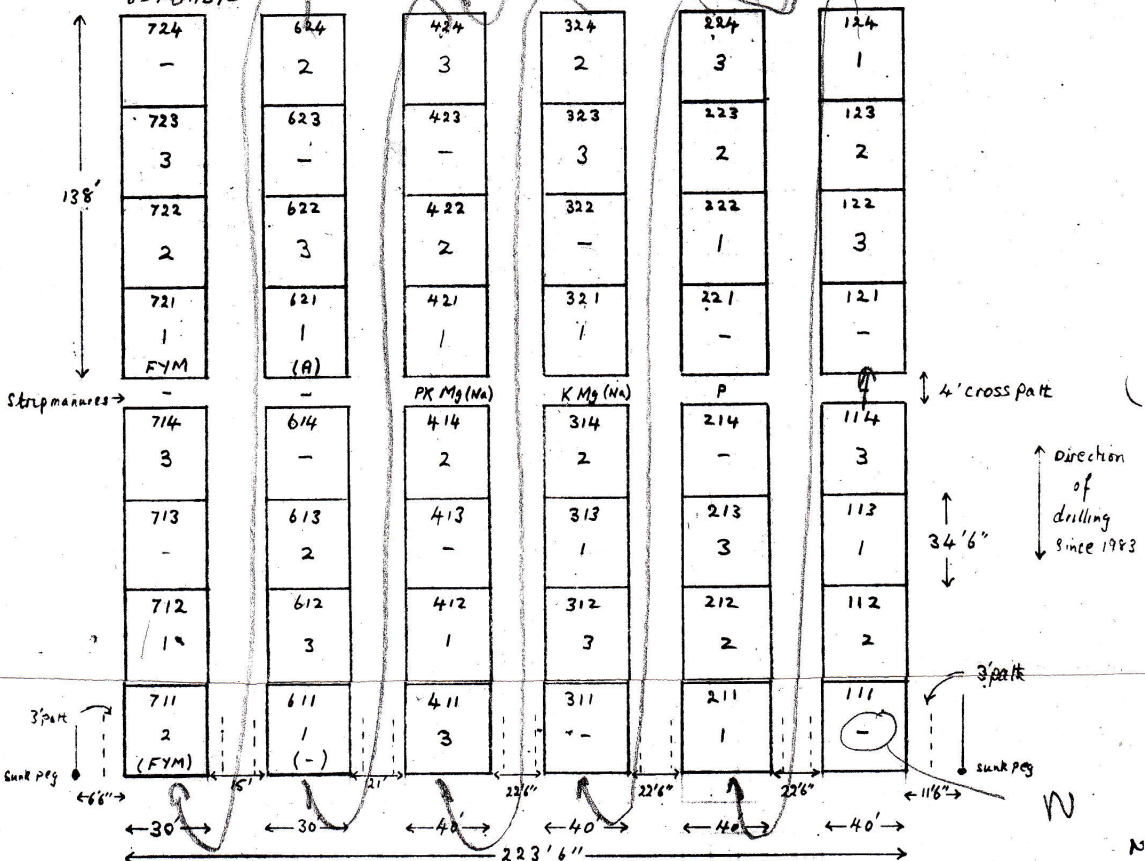
Series C (141-444): castor bean meal last applied for 1968 crop
PK last applied for 1979 crop
Mg last applied for 1977 crop

NOTE: Revised arrangements started Autumn 1979 on plots 131-434
(s) - Silicate of soda until 1979 crop
(s) s " " " every year
(-) s " " " since 1980
(-) - None

N rotates annually N3 → N2 → N1 → N0.
N sub-plots on series C (141-444) discontinued in 1985.



85/R/HB/2



86/R/HB/2

CONTINUOUS BARLEY

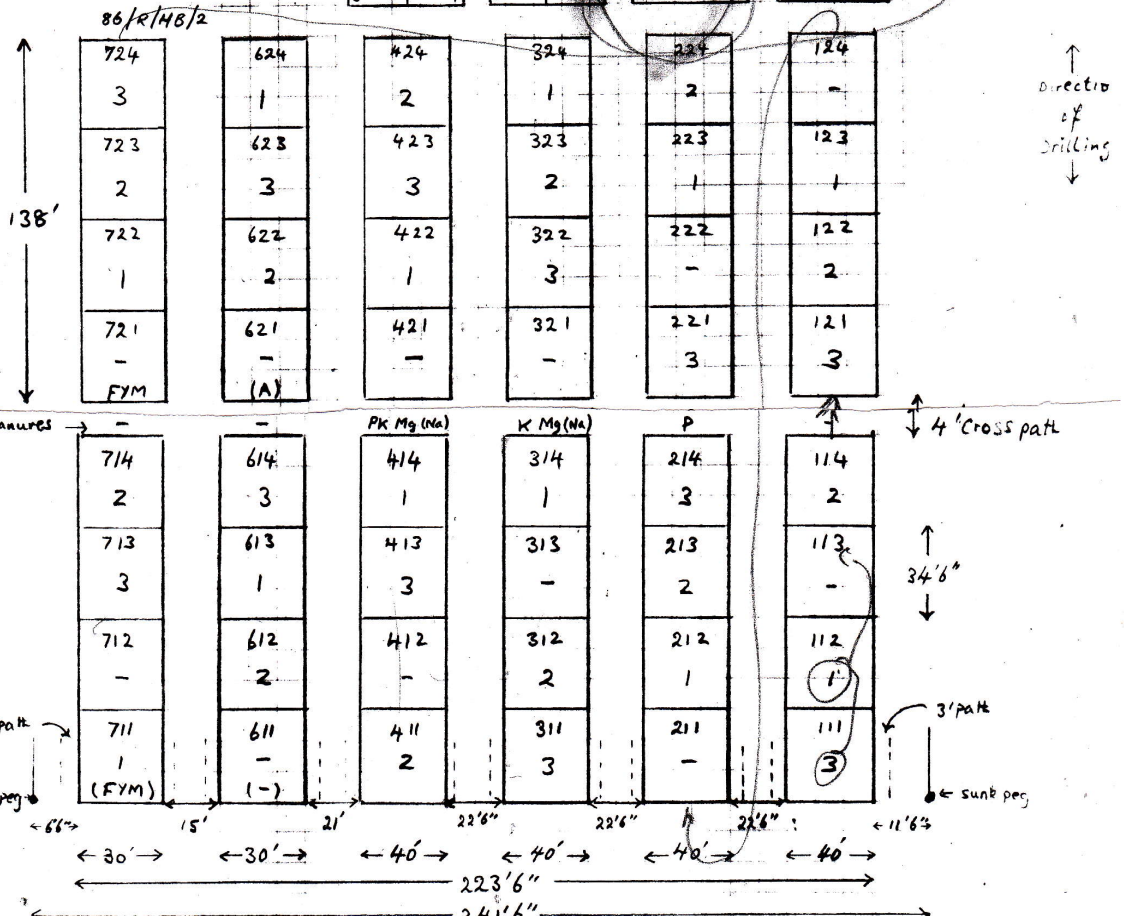
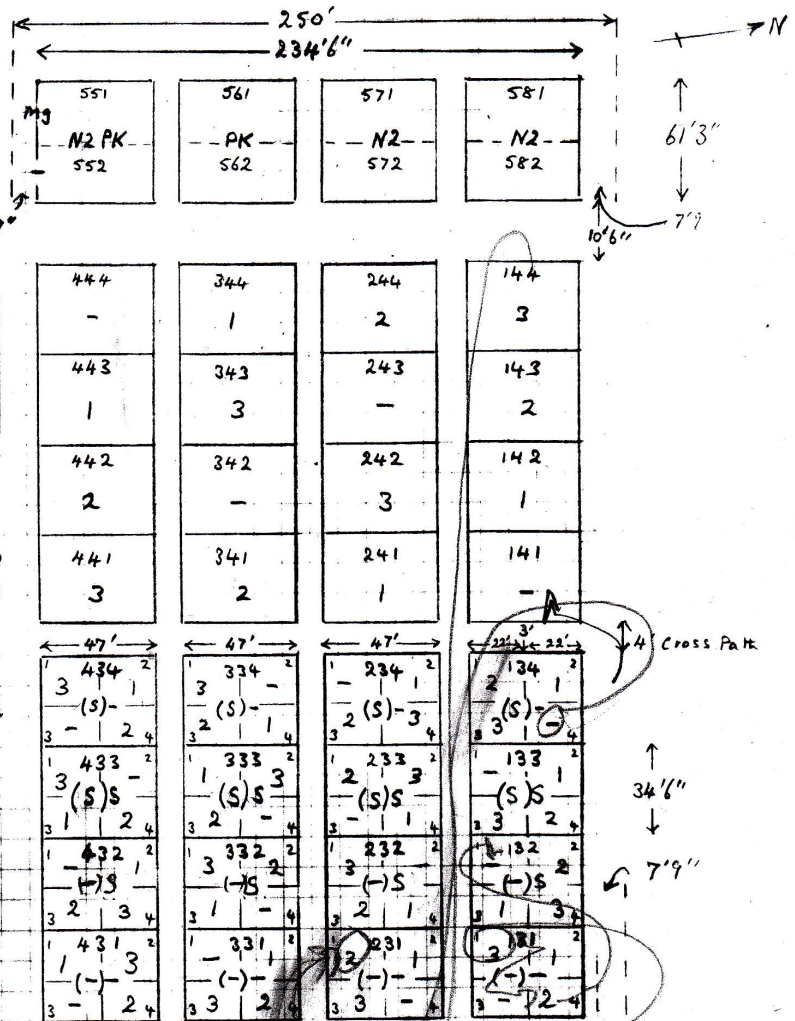
VARIETY

Triumph, seed dressed 'Baytan',
sown at 157 kg/ha
on 17 March

Series c (141-444): Castor bean meal last applied for 1968 crop. PK last applied for 1979 crop. Mg last applied for 1977 crop

NOTE Revised arrangements started autumn 1979 on plots 131-434
(S) - silicate of soda until 1979 crop
(S)S " " " every year
(-)S " " " Since 1980
(-) - None

N rotates annually N3 → N2 → N1 → No.
N sub plots of Series C (141-444) discontinued in 1985.



136th Year HOOS BARLEY

Hoosfield 1987

Sponsors: J.F. Fealy, A.E. Johnston, J.M. Ewen

87/R/HB/2

Continuous barley

VARIETY

Truniph, dressed 'Baytan',
sown at 157 kg/ha on
16 March

Series C (141-144): Castor bean
meal last applied for 1968 crop.
PK last applied for 1979 crop.
Mg last applied for 1977 crop.

Series AA(s) (131-134):

- (s) - Silicate of soda until 1979 crop
- (s) s " " " " extra year
- (-) s " " " " until 1980
- (-) - None

N rotates annually: -
N3 → N2 → N1 → N0

