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00/R/CS/503

WINTER RAPE AND TAKE-ALL

Object: To test effects of different management regimes for winter oilseed rape on take-all (*Gaeumannomyces graminis*) in the following wheat - Great Harpenden II.

Sponsors: J.F. Jenkyn, G.L. Bateman, R.J. Gutteridge.

Design: 4 blocks of 4 x 2.

The second year.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **W VOLUNT** Wheat volunteers in previous rape:
 - (P) Prevented
 - (EE) Encouraged then destroyed early
 - (EL) Encouraged then destroyed late
 - (E) Encouraged

2. **N** Nitrogen in 1999 (kg N):
 - (N1) 41 in autumn and 104 in February
 - (N2) 41 in autumn, 104 in February and 104 in March

Experimental diary:

19-Aug-98 : B : : Shakerated
20-Aug-98 : B : : Ploughing and furrow pressing started.
21-Aug-98 : B : : Ploughing and furrow pressing completed.
28-Aug-98 : T : **W VOLUNT** EE,EL,E : Combination drilled, Abbot, tr. Beret Gold, at 60 seeds/m², (wheat volunteers).
 : B : : Combination drilled, Apex, tr. Lindex-Plus FS Seed Treatment, at 120 seeds/m².
29-Aug-98 : B : : Hardy at 7.5 kg.
16-Sep-98 : B : : Hardy at 7.5 kg.
17-Sep-98 : B : : Decis at 250 ml in 200 l.
25-Sep-98 : B : : 34.5% N at 120 kg.
28-Sep-98 : T : **W VOLUNT** P : tm) Laser at 0.7 l in 220 l.
 : tm) Cropoil at 2.0 l in 220 l.
13-Oct-98 : B : : Hardy at 7.5 kg.
04-Nov-98 : T : **W VOLUNT** EE : tm) Laser at 0.75 l in 220 l.
 : tm) Cropoil at 2.0 l in 220 l.
04-Dec-98 : B : : tm) Punch C at 0.4 l in 200 l.
 : tm) Stefes Cypermethrin 2 at 250 ml in 200 l.
08-Feb-99 : T : **W VOLUNT** P, EE, EL : tm) Laser at 1.0 l in 220 l.
 : tm) Cropoil at 2.0 l in 220 l.
10-Feb-99 : B : : 34.5% N at 300 kg.
15-Mar-99 : B : : Punch C at 0.4 l in 200 l.
17-Mar-99 : T : **W VOLUNT** P, EE, EL : tm) Laser at 2.25 l in 220 l.
 : tm) Cropoil at 2.0 l in 220 l.
23-Mar-99 : T : **N N2** : 34.5% N at 300 kg.
29-Apr-99 : B : : tm) Bavistin DF at 1.0 kg in 200 l.
 : tm) Ronilan FL at 0.5 l in 200 l.
 : tm) Hallmark at 100 ml in 200 l.
07-Jul-99 : B : : tm) Reglone at 3.0 l in 400 l.
 : tm) Enhance Low Foam at 400 ml in 400 l.
17-Jul-99 : B : : Combine harvested.
19-Jul-99 : B : : Straw removed.

