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96/W/BW/1 Rhynchosporium Study - W. Barley

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96/W/BW/1

WINTER BARLEY

RHYNCHOSPORIUM STUDY

Object: To characterise two geographically separated *Rhynchosporium* populations and to assess their susceptibility to fungicides - Woburn, Butt Close I - IV. The experiment was repeated at Long Ashton Research Station, Bristol.

Sponsor: D.W. Holloman, Long Ashton Research Station.

Design: 2 randomised blocks of 4 plots.

Whole plot dimensions: 20.0 x 24.0.

Treatments:

FUNGICIDE	Fungicide:
-	None
CARB	Carbendazim (Bavistin DF)
CARB+DTB	Carbendazim and diethofencarb (Sumico)
DTB	Diethofencarb

Experimental diary:

20-Sep-95 : B : Ploughed.
24-Nov-95 : B : Rotary harrowed, Chariot, dressed Wireworm FS Seed Treatment, drilled at 440 seeds per m².
19-Mar-96 : B : 34.5% N at 116 kg.
10-May-96 : B : 34.5% N at 290 kg.
02-Jun-96 : B : Ally at 30 g in 200 l.
14-Jun-96 : T : FUNGICIDE CARB: Bavistin DF at 0.5 kg in 300 l.
 : T : FUNGICIDE DTB: Diethofencarb at 2.0 kg in 300 l.
 : T : FUNGICIDE CARB+DTB: Sumico at 2.0 kg in 300 l.
05-Aug-96 : B : Combine harvested.

Previous crops: Various 1994, potatoes 1995.

NOTE: Leaf samples were taken on three occasions and isolates of *Rhynchosporium* were tested for sensitivity to fungicides.

GRAIN TONNES/HECTARE

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

FUNGICIDE	-	CARB	CARB+DTB	DTB	Mean
	2.12	3.27	3.43	2.74	2.89

GRAIN MEAN DM% 89.8

PLOT AREA HARVESTED 0.00440