



A survey of wheat take-all in Belgium

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Contenu

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Survey description

Period: June and July 1999, GS51 until GS85

Field: 268 a plots of wheat in 150 farms

Main cereals areas of Belgium

Situation mainly with high risk but also with lower risk



Sampling

- *50 plants where sampled for each plot*
- *take-all root-rot assessed visually*
- *Score of the proportion of rosette system with symptoms*
- *17 class severity:*

*P = 0, 2, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90 and 100%
of rosette system infected*



- *Frequency of infestation (FI)*

FI = number of plants infested / total number of plants scored

- *Take-all index (TAI)*

$$TAI = \sum P_i \times N_i / N$$

Where: P_i = Percentage of i class

N_i = number of plants in i class

N = total number of plants scored



Wheat monoculture effect

Wheat sequences	n	TAI modified
W / W	108	36
W / W / W	10	43
W / W / W / W	4	29
W / W / W / W / W	1	23
W / W / W / W / W / W	1	15