



Clubroot Factsheet

Series 1 for farms

sheet 7

Chemical Control of Clubroot

Fact: STRATEGICALLY APPLIED CHEMICALS ARE AN IMPORTANT MEANS OF CONTROLLING CLUBROOT ON HEAVILY INFESTED SITES

Chemical application may be necessary on high risk (heavily infested) soils to achieve adequate control of clubroot.

Fungicides:

At the time of publication registered chemicals for suppression of clubroot on cruciferous crops include PCNB (Terraclor[®], Barmac Chloroturf[®], Barmac Chloroturf DG[®] Purasoil[®]) and Fluazinam (Shirlan[®]).

These products are most effective when applied at transplanting into the plant root zone (see factsheet 8). Drench applications don't sufficiently penetrate the soil to provide adequate protection.

Strategic application:

In trials, control of clubroot was optimised by incorporation of fluazinam into the transplant row at a rate of 3L product (Shirlan[®] 50% a.i.)/ha in 500L/ha of water immediately before transplanting.

- A number of machines have been developed that incorporate chemicals into the transplant row immediately before planting.
- This cut costs substantially as only 1/3 of the lane is treated and ensures that the products are in exactly the right place for early crop protection (see factsheet 8).



Machine used for incorporation into transplant rows



Always follow the precautions and application restrictions on the label.

Fumigation:

A properly applied soil fumigant gives good disease control acting as a general biocide (see factsheet 4). Metham sodium and Dazomet (Basamid[®]) have registration for use on soils for food crops. Fumigation is expensive and is not recommended as a routine practice because of potential effects on soil structure and biology.

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