

TECHNOTE P-PICKEL T - THE ORIGINAL AND THE BEST

P-Pickel T is still the original and best seed treatment fungicide registered for the control of seed borne *ascochyta* and *botrytis* and the root rots *fusarium* and *pythium* in chickpeas and lentils.

P-PICKEL T FEATURES

Thiram - a contact fungicide which provides protection from soil borne fungi such as *fusarium* and *pythium* spp.

Thiabendazole - a systemic fungicide which penetrates the seed coat and is also taken up by the growing seedling to provide protection against *ascochyta* spp. and *botrytis* spp. during emergence.

Research in pulse crops has shown that thiabendazole can protect against spore infection for 6-8 weeks following planting.

P-Pickel T is registered for use as a seed treatment to control seed-borne and seedling root pathogens of peas, chickpeas, lentils, faba beans and vetch.

DISEASES TARGETED

CROP	DISEASE
Chickpeas	Ascochyta blight <i>Ascochyta rabiei</i>
	Botrytis seed rot <i>Botrytis cinerea</i>
	Seedling root rots <i>Fusarium</i> spp. <i>Pythium</i> spp.
Lentils	Ascochyta blight <i>Ascochyta lentis</i>
	Seedling root rots <i>Fusarium</i> spp. <i>Pythium</i> spp.
Peas - Field and Garden	Black Spot (Leaf and pod spot and collar rot) <i>Mycosphaerella pinodes</i> , <i>Ascochyta pisi</i> , <i>Phoma medicaginis</i> var. <i>pinodella</i>
	Seedling root rots <i>Fusarium</i> spp. <i>Pythium</i> spp. <i>Macrophomina phaseolina</i>
Faba Beans, Vetch	Seedling root rots <i>Fusarium</i> spp. <i>Pythium</i> spp.

BENEFITS

- Protectant and systemic activity.
- Protection against spore infection for 6-8 weeks.
- Soft on seed - does not adversely affect germination.
- Ease of equipment hygiene - clean equipment with water.
- Co-formulation containing 2 fungicides (Group 1 and Group M3) for resistance management.

APPLICATION GUIDELINES

Correct calibration of seed treatment equipment to ensure total and uniform coverage of each seed is essential. Secondary mixing of treated seed (e.g. in an auger) may be important to obtain even coverage. Refer to the label for complete application instructions.

RATE OF APPLICATION

Peas, lentils, faba beans and vetch

P-Pickel T should be applied at 200mL plus 100mL of water per 100kg of seed.

The fungicide water mixture must be applied at 300mL/100kg seed to ensure even coverage.

Chickpeas

P-Pickel T should be applied at 200mL plus 800mL of water per 100kg of seed.

The fungicide water mixture must be applied at 1L/100kg seed to ensure even coverage.

Do not mix fungicide and inoculum together.

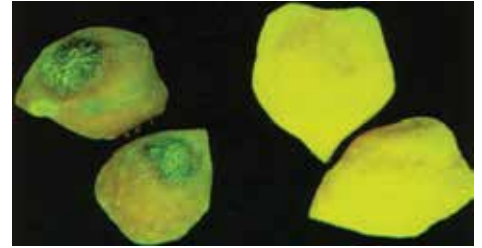
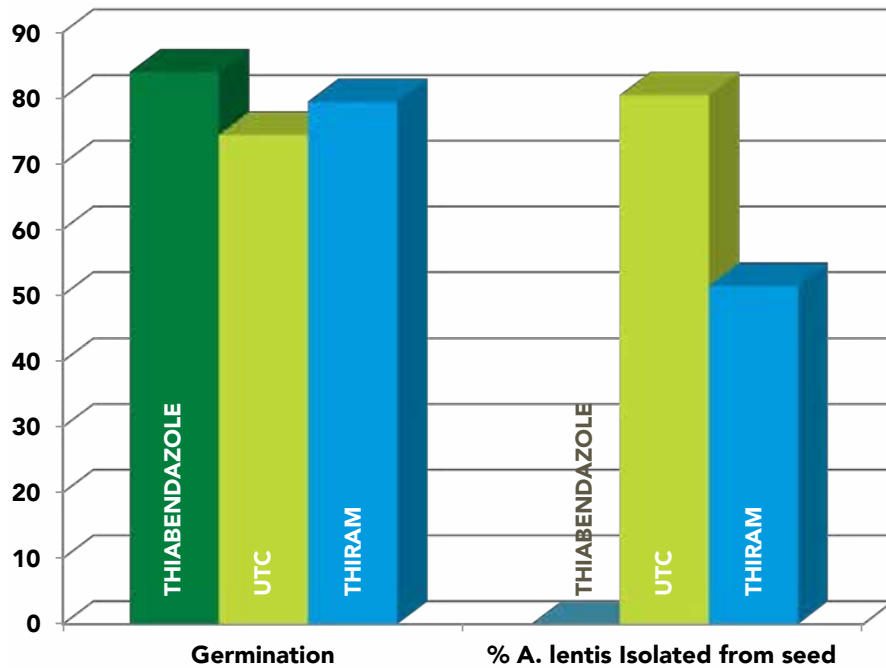
Apply rhizobium inoculum to treated seed immediately before sowing to minimise the contact time of fungicide and rhizobia on the seed.

P-PICKELT®

LIQUID FUNGICIDAL SEED DRESSING

GRAPH 1 - % GERMINATION OF LENTIL SEED AND % SEED WITH *A. LENTIS*

Trials: Laboratory trial, Kaiser and Hannan (1987), Canada



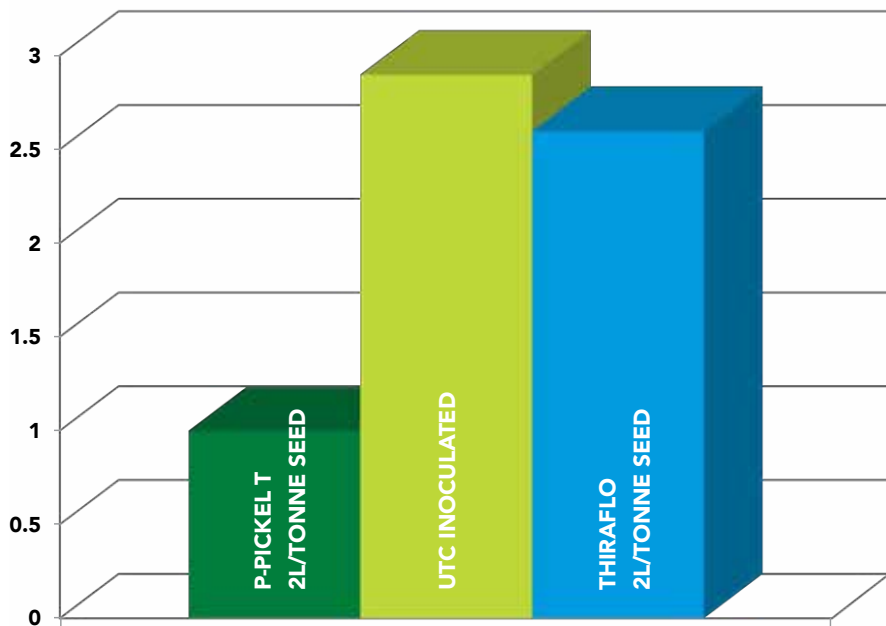
Severe ascochyta infection causes dark lesions on the seed. Healthy seed shown on the right.



Ascochyta blight infection on lentil seed. Source: DNRE

GRAPH 2 - DISEASE SCORE (0-7) FOR *A. RABIEI*

Trial: W MacLeod, Beverley AgWA 2000



Black spot on leaves.



Botrytis grey mould produces a grey mould on the surface at the base of the dead branch or plant.

For more information on P-Pickel T, contact your local Nufarm Territory Manager.

nufarm.com.au

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