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Summary only

TREMORGENIC PENICILLIA IN RYEGRASS STAGGERS OUTBREAKS

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Cultures of tremorgenic penicillia fed to sheep or cattle produce symptoms indistinguishable from those of ryegrass staggers. Tremorgenic strains of nine species of *Penicillium* have been isolated from faeces of affected animals in ryegrass staggers outbreaks; such strains have been rarely isolated from faeces of sheep grazing in unaffected flocks. The nine *Penicillium* species are present in the A horizon of New Zealand soils but the proportion of tremorgenic to non-tremorgenic strains has been lower in soil isolates than in faecal isolates.