Oat varieties differ in susceptibility to manganese deficiency.

J. Toms
OAT VARIETIES DIFFER IN SUSCEPTIBILITY TO MANGANESE DEFICIENCY

By J. TOMS, B.Sc. (Agric.), Research Officer, Plant Research Division

The oat variety Avon has been noted to be less susceptible than Dale to manganese deficiency.

Although it is well known that some oat varieties are less affected than others when grown on manganese-deficient land, it has not been considered necessary to carry out experiments on this matter as crops grown on manganese-deficient country should receive additional manganese either by spray or soil application.

However, during the dry 1956 and 1957 seasons when there was a widespread occurrence of manganese deficiency on cereals, two opportunities arose to compare the susceptibility of the two varieties Avon and Dale. The first was at Ken­denup in 1956, where the Agricultural Adviser, Mr. Alan Smith of Mt. Barker, noted the much lower incidence of manganese deficiency symptoms in a crop of Avon oats which was sown alongside a crop of Dale in the same paddock.

The second was at Bremer Bay in 1957, where a crop of Dale oats was badly affected by manganese deficiency, but an experiment sown with Avon oats in the middle of this paddock was resistant to such an extent that straw yields were not increased by the addition of manganese sulphate (one of the treatments in the experiment).

Although there is no experimental evidence to back up these observations it would be advisable for farmers to grow Avon oats in any region where manganese deficiency is likely to show up, and where the maturity pattern of Avon is suitable.

KEEP YOUR JOURNALS

Here at the production end, we are sparing neither expense nor effort in making the “Journal of Agriculture” a publication which will help you in your farming operations.

We suggest that the Journal is worth keeping and that a year’s issue will make an attractive and useful volume for your library—a volume that is full of sound factual information, attractively presented.

Arrangements have been made for the compilation of a comprehensive index to be incorporated in the December issue—a feature which will greatly enhance the value of the Journal as a work of reference.
NEW DENNIS 10 h.p. TWIN
AUSTRALIA'S MOST MODERN POWER SAW
MOBILE DRIVEN

Has that power, speed and performance required to carry that 42-inch blade so essential to measure requirements of ....

TIMBER INDUSTRY :: CONTRACT CLEARING :: FENCING

5 h.p. CIRCULAR Suitable for the farmer

Both have many auxiliary purposes and attachments, including POST-HOLE BORER, POST-HOLE DIGGER and DRAG ATTACHMENT, if necessary

See Demonstrations at Factory, Maylands

Dennis Power Saws Pty. Ltd.
38 HARDY ROAD, MAYLANDS
Telephones UA 1032, UA 4519

Write now for a coloured brochure on the NEW Dennis Power Saws. Also gives much valuable information on the handling and maintenance of power saws. Fill in this coupon.

Please mention the "Journal of Agriculture, W.A." when writing to advertisers