REGISTRATION OF MARINER OATS
(Reg. No. 262)
J. E. Grafius and Dimon Wolfe

'Mariner' oats (Avena sativa L.), CI 9165 is a medium-early, high performance, white oat resulting from the cross of MI 56-22-1498 × Garry, made at East Lansing, Mich. in 1960. The parent MI 56-22-1498 stems from a population having 'Beaver,' 'Garry,' 'Clintland,' and CI 5103 as progenitors. The selection number was MI 60-100-78.

The new variety is midway between Garry and 'Clintland 64' in maturity, height, and lodging resistance. When compared to Garry, one of the best standard varieties in Michigan, Mariner has generally had higher yield and test weight. Kernel weight is the same as that of Clintland 64. Mariner has a strong tendency to develop tertiary kernels.

Mariner has field tolerance to Septoria black stem (Leptosphaeria avenaria Weber) and to barley yellow dwarf under Michigan conditions. It is susceptible to common races of leaf and stem rust (Puccinia coronata & graminis avenae) but these latter two diseases have not been a major problem in Michigan in 20 years.

The new variety is superior in lodging resistance and test weight to Garry and its yield record is similar to that of Garry and moderately tolerant, respectively.

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Foundation seed is available through the Michigan Foundation Seed Assoc., Inc., P. O. Box 466, East Lansing, MI 48823.

REGISTRATION OF KORWOOD OATS
(Reg. No. 263)
J. E. Grafius and Dimon Wolfe

'Korwood' oats (Avena sativa L.), CI 9167 is a high performance, white oat resulting from the cross of Mi 56-22-1209 × Mi 56-30-1549. The parents stem from populations including 'Beaver,' 'Garry,' 'Clintland,' and CI 5163 as progenitors. The selection number of Korwood during testing was MI 60-101-20. The cross was made in 1960 at East Lansing, Mich.

On the basis of 5 year's data, Korwood averaged a day earlier than Garry in date of heading and was about 12 cm shorter. It has exceeded the yield of Garry and has had better lodging resistance. The test weight has been superior to Garry, although not as high as Mariner.

Korwood has been the highest yielding oat for 5 years. It has field tolerance to Septoria black stem and to barley yellow dwarf under Michigan conditions, the two most severe disease of oats. It is susceptible to common races of leaf and stem rust but these latter two diseases have not been a major problem in Michigan of recent years.

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