Article 7
1-1-1965

Recommended oat varieties, 1966

J L. McMullan

Follow this and additional works at: https://researchlibrary.agric.wa.gov.au/journal_agriculture4

Part of the Agricultural Economics Commons, Agronomy and Crop Sciences Commons, and the Plant Breeding and Genetics Commons

Recommended Citation
Available at: https://researchlibrary.agric.wa.gov.au/journal_agriculture4/vol6/iss12/7

This article is brought to you for free and open access by Research Library. It has been accepted for inclusion in Journal of the Department of Agriculture, Western Australia, Series 4 by an authorized administrator of Research Library. For more information, please contact jennifer.heathcote@agric.wa.gov.au, sandra.papenfus@agric.wa.gov.au, paul.orange@dpird.wa.gov.au.
RECOMMENDED OAT VARIETIES, 1966

By J. L. McMULLAN, B.Sc. (Hons.), Plant Breeder

THE varieties Avon, Fulmark, Irwin, Kent and Ballidu are recommended for sowing in 1966 by the Department of Agriculture and the Coarse Grains Advisory Committee.

The areas suitable for these varieties, when planted for various purposes, are given in the map and tables.

Oats as a grain crop

Avon and Fulmark are recommended for general sowing in the midseason and late zones. In the more southern and western portions of the late zone no difficulty should be experienced in getting samples of Avon of high bushel weight. The likely extent of this area is indicated by the shaded sector of the map. Elsewhere, in the midseason and late zones samples of Avon of satisfactory bushel weights can usually be obtained if crops are harvested on really hot days and threshing is hard. However, this will result in more dehulled kernels and care should be taken to keep the content of these, in the final grain sample, as low as possible.

Fulmark is preferred by some growers in the midseason and late zones because of its inherently high bushel weight and because it is less itchy to harvest. However, it is lower yielding than Avon.

Irwin and Kent are recommended if late sowings are to be made in the late zone. Ballidu is no longer recommended for this zone because it yields less than Irwin and Kent. Also, when grown on the highly fertile soils which generally occur in these areas, particularly after a period of clover pasture, it lodges very badly and does not retain its grain well.

For later plantings in the midseason zone, Irwin, Kent and Ballidu are all recommended.

Irwin is the highest yielding of these varieties and should be grown when seed becomes freely available. Kent is the next best early maturing variety and should be grown by farmers unable to obtain seed of Irwin. Ballidu generally yields less and lodges and sheds more than Irwin or Kent and should only be grown by farmers wanting an early oat but unable to obtain seed of Irwin or Kent.

For general planting in the early zone Irwin, Kent and Ballidu are all recommended. Irwin is the best variety to grow as it yields more than Kent which in turn outyields Ballidu. It is suggested that plantings of oats, in this zone, be confined to the light soils as oats are susceptible to drought and therefore often yield poorly on the heavy soils.

Oats for Grazing

Kent and Ballidu for the early zone and Avon and Fulmark for the midseason zone are the recommended oat varieties, but it should be noted that Beecher barley is superior for these purposes, as it provides as much grazing and should produce more grain following grazing.

Irwin has not yet been recommended for grazing as all the area now being grown should be used to produce seed for further crops.

Avon and Fulmark are the oat varieties recommended for grazing in late zone where oats are, however, more often grown as the main cash crop and are not grazed.

The grain produced when oats are grazed and allowed to recover will generally have a lower kernel percentage and may be suitable only for feed.
OATS FOR GRAIN

<table>
<thead>
<tr>
<th>Zone</th>
<th>Early Planting</th>
<th>Late Planting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early</td>
<td>Irwin, Kent, Ballidu</td>
<td></td>
</tr>
<tr>
<td>Midseason</td>
<td>Avon, Fulmark</td>
<td>Irwin, Kent, Ballidu</td>
</tr>
<tr>
<td>Late</td>
<td>Avon, Fulmark</td>
<td>Irwin, Kent</td>
</tr>
</tbody>
</table>

OATS FOR GRAZING AND RECOVERY

<table>
<thead>
<tr>
<th>Zone</th>
<th>Recommended Varieties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early</td>
<td>Kent, Ballidu</td>
</tr>
<tr>
<td>Midseason and Late</td>
<td>Avon, Fulmark</td>
</tr>
</tbody>
</table>

DESCRIPTION OF VARIETIES

AVON

Midseason maturing with coarse, medium height straw. Under high rainfall, high fertility conditions, grows tall and has a tendency to lodge. Holds its grain well, even if lodged. Grain awnless, plumpness and milling quality largely dependent on the area in which it is grown. Tolerant of cereal yellow dwarf virus disease and also of a low manganese content in the soil. Bred by the W.A. Department of Agriculture.

FULMARK

Late midseason maturing with fine, short to medium height straw. Lodging tendency similar to Avon. Holds its grain fairly well. Grain lightly awned, generally plump, milling quality very high. Moderately tolerant of cereal yellow dwarf virus disease. Bred by the N.S.W. Department of Agriculture.

Journal of Agriculture, Vol 6 No 12 1965
IRWIN
Very early maturing, with coarse, medium to tall straw. Holds its grain well in windy conditions. Grain awnless, medium-plump, with a very large kernel. Milling quality high. Tolerant of cereal yellow dwarf virus disease. This variety was bred by the W.A. Department of Agriculture.

KENT
Early maturing with coarse, medium to tall straw. Holds its grain well in windy conditions. Grain awnless and generally plump, milling quality very high. Tolerant of cereal yellow dwarf virus disease. This variety was bred by the W.A. Department of Agriculture.

BALLIDU
Early midseason maturing with fine, medium to tall straw. Has a tendency to shed some grain under windy conditions. Grain awned, medium-plump, milling quality high. Susceptible to cereal yellow dwarf virus disease. This variety was bred by the W.A. Department of Agriculture.

WATER! LIFE BLOOD OF THE LAND!
Perhaps the farmer more than most people knows the importance of making water work for him. From the first fall of the life-giving fluid, the farmer seeks to store it, to bring further life to his land.

For all Irrigation Equipment your local Elders-GM man can supply you with free quotes, advice and information on the Elders-GM range of Irrigation Equipment.

Contact Elders-GM now. It could mean a new way of bringing new life to your land.

Elders-GM
PERTH, BRANCHES & AGENTS
PROPERTY OWNERS!

Knowing the exact rainfall helps you plan

Marquis PLASTIC
RAIN GAUGE
AND REGISTRATION CHART

The "Marquis" Plastic Rain Gauge is a precision instrument made from weather-resistant plastic that measures from one point of rainfall to six inches. It can be easily attached to any post or fence (bracket and screws supplied). The "Marquis" Plastic Rain Gauge is available from all leading stores for 22/6. If unable to purchase from your local storekeeper, mail 22/6 to Commonwealth Mouldings Pty. Ltd., 11 Sydneham Rd., Marrickville, N.S.W., and a "Marquis" Plastic Rain Gauge will be posted free to you by return.

Manufactured by
COMMONWEALTH MOULDING PTY. LTD.
11 Sydneham Rd., Marrickville, N.S.W.

Save on Super

FREIGHT CONCESSIONS AND PRICE REBATES FOR DELIVERIES UP TO 31ST JANUARY

ORDER AND RAIL YOUR SUPERPHOSPHATE NOW

LIBERAL FREIGHT REBATES AND PRICE CONCESSIONS

* Wagons are readily available to shift your super NOW
* Save money and ensure your supplies

WESTERN AUSTRALIAN GOVERNMENT RAILWAYS

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