TRITICALE

Triticale has a steady following amongst farmers who want to home-produce a cost effective wholecrop. It is a cross between wheat and rye and in trials will outperform wheat in a Take-all slot and under less intensive inputs.

BENEFITS
- Lower inputs
- Excellent wholecrop results
- Use as a replacement for wheat in marginal fields
- Improved disease resistance

QUICK GROWING TIPS
- see Seedtech website for more details

Soil type: Wide range of soils, out-performs wheat in marginal sites
Sowing period: Mid Sept-late Oct (winter); March (spring, talk to agronomist if delayed)
Sowing rate: 150kg/ha
Diseases: Watch out for Rust, Mildew and possibly Septoria
Fertiliser: See fertiliser table above
Harvesting: Harvest at milky ripe stage
Dry Matter [DM]: 30-35%
Yields: 8-10tn/ha Fresh Weight
Yield: 25-30tn/ha Energy [ME]: 10.5MJ/kg
Digestibility Value: 65DMD

FERTILISER REQUIREMENTS

<table>
<thead>
<tr>
<th>Soil Index</th>
<th>Triticale (kg/ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
</tr>
<tr>
<td>1</td>
<td>210</td>
</tr>
<tr>
<td>2</td>
<td>180</td>
</tr>
<tr>
<td>3</td>
<td>120</td>
</tr>
<tr>
<td>4</td>
<td>80</td>
</tr>
</tbody>
</table>

Source: Teagasc Fertiliser Guidelines

TRITICALE VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Type</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orval</td>
<td>Winter</td>
<td>High yield of grain and starch</td>
</tr>
<tr>
<td>Bienvenu</td>
<td>Spring</td>
<td>High yield potential</td>
</tr>
</tbody>
</table>

HYBRID RYE

Very popular amongst farmers supplying anaerobic digesters, for whole cropping and more recently for whiskey distilling.

BENEFITS
- Hybrid Rye establishes and grows very quickly
- Provides high DM yields
- Input costs significantly lower than those required for winter wheat
- Suitable as a grain or wholecrop under Irish climatic conditions

Varieties: KWS Magnifico, KWS Progas, KWS Bono

QUICK GROWING TIPS

Soil type: Light, dry, free draining
Diseases: Brown Rust, Septoria, Mildew
Fertiliser: Similar to Triticale
Sowing period: Mid-September to Mid-October
Sowing rate: 70-100kg/ha
Drill shallower than winter cereals to aide establishment
Dry Matter [DM]: 35-40% DM Yields: 13-16tn/ha
Fresh Weight Yield: 30-40tn/ha
Energy [ME]: 11MJ/kg
Digestibility Value: 65DMD

HYBRID RYE VARIETIES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>KWS Magnifico</td>
<td>Wholecrop silage &amp; animal feed</td>
</tr>
<tr>
<td>KWS Progas</td>
<td>Biogas production</td>
</tr>
<tr>
<td>KWS Bono</td>
<td>Distilling sector</td>
</tr>
</tbody>
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