HUTCHINSONS

Crop Production Specialists

# Maize Portfolio

**2021**



# Message from the Seed Team

**Defra statistics illustrate the rising popularity of maize,** showing that over the past five years the UK planted area has increased from less than 190,000 ha to around 226,000 ha in 2020. This has increased the demand for seed in both traditional mixed farming or livestock-based maize growing areas, as well as in arable regions now growing maize for biogas and grain production.

This season there is the added complication of the uncertainty about how Brexit trade negotiations will affect the import of seed into the UK. Many seed suppliers are planning to bring in stocks earlier than normal to avoid disruption to supplies.

Whether maize is being grown for silage to feed livestock, biogas production or grain, the list of varieties is extensive, making selection challenging.

Our portfolio of varieties is selected from material produced by top breeders and performance data is supplemented by our regional trials and feedback from our national network of agronomists. This enables us to offer independent advice on the range of varieties best suited to individual farm location and conditions.

Varieties have been grouped together by maturity class and have been selected for their consistency, yield, quality and agronomics.

| | | FAO | FORAGE | BIOGAS | GRAIN |
|---|---|---|---|---|---|
| **Very early maturing varieties** | **PEREZ** | 160 | X | X | |
| | **DUXXBURY** | 160 | X | | |
| | **ARTIKUS** | 160 | X | X | |
| **Early maturing varieties** | **AUTENS** | 170 | X | X | X |
| | **PROSPECT** | 170 | X | X | X |
| | **P7326** | 180 | X | X | X |
| | **ABILITY** | 180 | X | X | |
| | **P7034** | 190 | X | X | X |
| | **AGIRAXX** | 190 | X | X | |
| **Intermediate maturing varieties** | **P7524** | 200 | X | X | |
| | **KEOPS** | 210 | X | X | |
| | **MOVANNA** | 210 | X | X | |
| | **P7948** | 210/220 | X | X | X |
| | **MANTILLA** | 220 | | X | |
| **Late maturing varieties** | **NEUTRINO** | 230 | X | X | |
| | **INDEXX** | 240 | | X | |
| | **AMAROC** | 240 | | X | |

## Our experienced seed and agronomy teams are pleased to assist in the decision-making process.

Following the revocation of Mesurol (methiocarb) in 2020, Korit was used extensively last season as an effective bird repellent.

In 2021 Korit (Ziram 420 g/l) will be used in conjunction with the fungicide Redigo M (prothioconazole + metalaxyl), by many suppliers. Trace elements and growth promotion products are also being offered by some suppliers to improve establishment.

Sonido (thiacloprid) can no longer be used for wireworm control and will be replaced with Force (tefluthrin).

*Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label.*

## VERY EARLY MATURING VARIETIES

FAO 160

### PEREZ KWS (FAO 160)

Combines high yield with long and large cobs. Ideal for late drilling on favourable sites to encourage earlier feedout. Also suitable for AD use.

### RGT DUXXBURY (FAO 160)

Excellent forage quality, combining high plant digestibility, energy and starch. Duxxbury retains a good yield, despite being one of the earliest varieties in official trials.

### ARTIKUS KWS (FAO 160)

**Introduced to the UK last year** - high energy and dense silage quality, driven by a high kernel content. Ideal for securing an early harvest, regardless of drilling date.

## EARLY MATURING VARIETIES

FAO 170 - 190

### AUTENS KWS (FAO 170)

Delivers a consistent combination of bulk DM and high grain content for added starch percentage. Suitable for grain, silage and biogas production.

### PROSPECT (FAO 170)

One of the top early varieties on the BSPB/NIAB List for dry matter yield. The combination of high starch and the highest cell wall digestibility of any early variety, makes Prospect one of the highest ME yielding varieties available.

### P7326 (FAO 180)

Remains our best-selling variety, well suited to maritime climates. Consistent and adaptable across all regions and site types – a true all-rounder for forage, AD and grain production.

### ABILITY (FAO 180)

**A new addition to the descriptive list,** Ability has performed consistently on farm and in recent Hutchinsons trials, proving to be capable of big yields. Shows early vigour for fast establishment and speed of growth.

### P7034 (FAO 190)

The first early Pioneer hybrid that has dent type quality bred specifically for cooler maritime climates. Produces silage with a high starch content and yield.

### RGT AGIRAXX (FAO 190)

Continues to remain popular, with consistent performance over many seasons.

**P7524** (FAO 200)

Good early vigour, with a tall growth habit. Will suit growers looking for a large quantity of early to mature silage, as well as those aiming to maximise biogas production. Has a high level of resistance to Eyespot.

**KEOPS** (FAO 210)

Offers a wide drilling and harvest window for silage and AD production in warmer areas.

## INTERMEDIATE MATURING VARIETIES
FAO 200 - 220

**MOVANNA** (FAO 210)

Top performing intermediate variety in Hutchinsons trials over recent years and suitable for both forage and biogas production. Good agronomics and standing power.

**P7948** (FAO 210/220)

A new hybrid which holds the top place in Pioneer trials for gas production on favourable sites. Good standing and suitable for all end uses.

**MANTILLA** (FAO 220)

A tall leafy variety with large cobs, that maximises production per hectare. Mantilla has been tested in Limagrain and Hutchinsons trials and has impressed for biogas yield.

## LATE MATURING VARIETIES
FAO 230 - 250

**NEUTRINO** (FAO 230)

A new biogas variety with high energy and dry matter yields.

**RGT INDEXX** (FAO 230/240)

Hutchinsons best-selling late maturing biogas variety, which continues to produce consistently high yields on more favourable eastern region sites.

**AMAROC** (FAO 240)

Offers high DM yield for AD feedstock production on favourable sites and in high heat unit areas.


# Trial work

**Visit the Fieldwise Live pages on the Hutchinsons website for information from our national trial sites and our events page for dates of open day events.**

**Current research at our maize trial sites:**

## Targeted Nutrition

Well targeted nutrition drives successful maize establishment and is something our Carlisle trial site is focusing on.

Phosphate is the most important nutrient for root development and maize establishment, especially in the first 30 days after drilling.

However, nutrients may not be immediately available to very young plants with small root systems and limited scavenging ability, so maize generally responds well to starter fertilisers, in most situations.

Current trials are examining whether phosphate starter fertilisers can overcome potential limitations during establishment, to deliver a worthwhile and cost-effective benefit in maize grown under film.

Observations through this season suggest a clear benefit to biomass growth and root development in plots that received a starter fertiliser.

It is intended to repeat the trials again next season, potentially comparing starter fertilisers in open ground crops alongside those sown under film.

**LEARN MORE ABOUT OUR TRIAL WORK:**

**HLHLTD.CO.UK/FIELDWISELIVE**

**Contact our seed team for more information.**

Your local Hutchinsons agronomist is able to provide you with advice and guidance, as well as supply the seeds that have been mentioned in this leaflet and more.

**Contact us for more information on our products or services.**


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designed and produced by Fine Design Ltd 01354 650 679



MS/12/20