

Maize Variety Portfolio 2025



A guide to selecting the right
KWS maize variety for **your field**



www.kws-uk.com

SEEDING
THE FUTURE
SINCE 1856

KWS





The KWS Maize portfolio is designed to help you select the right hybrids for your farming situation.

The guide is divided into 3 key sections:

- **Ultra Early FAO 150-160**
For maximum drilling or harvest security.
- **Early / Maincrop FAO 170-190**
For all mainstream growing areas and maximum starch yield.
- **Late / Biogas FAO 200-260**
Maximum DM yield, and lowest cost per tonne for forage and biogas production.
- **Crimped Grain and Dried Grain**
Provide increased levels of bypass starch.
Suitable varieties highlighted.

The FAO number is a relative index of maturity.

The lower the number, the fewer heat units that are required to reach harvest time. You can check your farm's heat units and FAO suitability on the KWS website.

KWS Maize Variety List

Below are our key variety selections for next season. They are arranged in maturity order and by market sector. Other varieties are available – for more advice please contact a member of the KWS team.



		FAO	FORAGE	GRAIN	BIOGAS
16	ULTRA EARLY				
17	KWS TEMPRANO	150	✓		✓
18	CITO KWS	150	✓	✓	
19	AUGUSTUS KWS	160	✓		
20	JARDINERO[†] KXC0005 NEW	160	✓		✓
21	KWS LETO	160	✓		✓

		FAO	FORAGE	GRAIN	BIOGAS
22	EARLY / MAINCROP				
23	KWS PORTABELLO	160/170	✓		✓
24	DEBALTO	170	✓	✓	✓
25	KWS CALVINI	170	✓		✓
26	KWS REO	170	✓	✓	✓
27	AUTENS KWS	170	✓	✓	✓
28	KWS EXELON	170	✓	✓	✓
29	KWS PASCO	170/180	✓	✓	✓
30	RODRIGUEZ KWS	180	✓	✓	
31	AURELIUS KWS	180	✓	✓	✓
32	KWS ANASTASIO	180/190	✓	✓	✓
33	KWS ZIMO	190	✓		✓
34	MARCOPOLO[†] KXC1054 NEW	190	✓	✓	✓
35	PAPAGENO	190	✓	✓	✓

		FAO	FORAGE	GRAIN	BIOGAS
36	LATE / BIOGAS				
37	AGROLINO	200	✓		✓
38	KWS NORENTA[†] KXC2306 NEW	210	✓		✓
39	KEOPS	210/220	✓		✓
40	KWS GRANTURISMO KXB9317 NEW	220	✓		✓
41	AMAROC	240			✓
42	KILOMERIS	270			✓

† Subject to a Pre NL Marketing Agreement.



FORAGE



GRAIN



BIOGAS

Tips for **choosing maize varieties** based on end use



Maize for Forage

- High dry matter
- 30% + starch
- For TMR diets, ultra-early hybrids help to ensure an all-year-round supply, by bringing harvest forward into early September

Maize for AD

- Use a range of FAO varieties to spread drilling and harvest workload
- Target high freshweight yield and good disease resistance

Maize for Crimping

- Ultra-earlies need careful selection, due to the risk of brackling
- A grain:stover ratio of 50% + is desirable, together with good standing power

Maize for Drying

- Select plants with good standing power for an easier harvest
- Excellent dry down characteristics minimises drying costs



The **boost** for your yields



EnergyBoost

**KWS TEMPRANO,
KWS PORTABELLO & KWS REO**

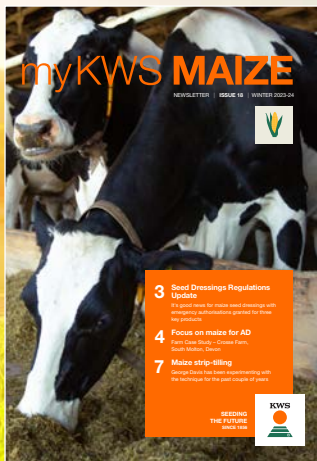
High energy hybrids for boosting animal performance

www.kws-uk.com

**SEEDING
THE FUTURE
SINCE 1856**



With you throughout the year



myKWS **MAIZE** is our quarterly newsletter, keeping you up to date on topical issues during the growing season, with advice on varietal selection and other related subjects.

To sign up for a postal copy of myKWS **MAIZE** newsletter scan the QR code.
For a digital copy, sign up for myKWS at www.kws-uk.com (select the maize option).



www.kws-uk.com



Boost Hybrids

Helping you to you grow better homegrown feed

EnergyBoost

Emphasis on energy concentration.

For farmers:

- With high grass ratios in the ration
- Looking for an extra energy boost

SiloBoost

Emphasis on high dry matter yield.

For Farmers:

- With high maize ratios in the ration
- Looking for yield boost in the silo



EnergyBoost Varieties:

- KWS TEMPRANO
- KWS REO
- KWS PORTABELLO

SiloBoost Varieties:

- PAPAGENO
- KWS ZIMO
- KWS REO
- KWS GRANTURISMO



Maize Selection

Ultra Early

The earliest – maturing hybrids

Characteristics and suitability

- Fewest days to harvest – as little as 130 days
- Short growing season provides greater harvest security, and increased options for subsequent autumn drilled crops
- Excellent for later sowing on heavier soils or following early harvested forage crops
- Where conditions restrict growth e.g. altitude or more northern areas, maturity and starch laydown is earlier
- Rapid dry down characteristics
- For sites with increased yield potential, consider early/maincrop varieties

Crop and animal performance

- Superb energy density, typically 11.5-12+ MJ/kg DM
- Maximum ration density for milk or meat production
- Highest starch content, typically 36-40%+ for increased milk yield and protein, and reducing days to finishing crops
- Increases rumen stability and overall animal health when maize is included in grass-based rations
- Highly suited to TMR rations where maize inclusion is 50% or lower

How do these varieties compare?

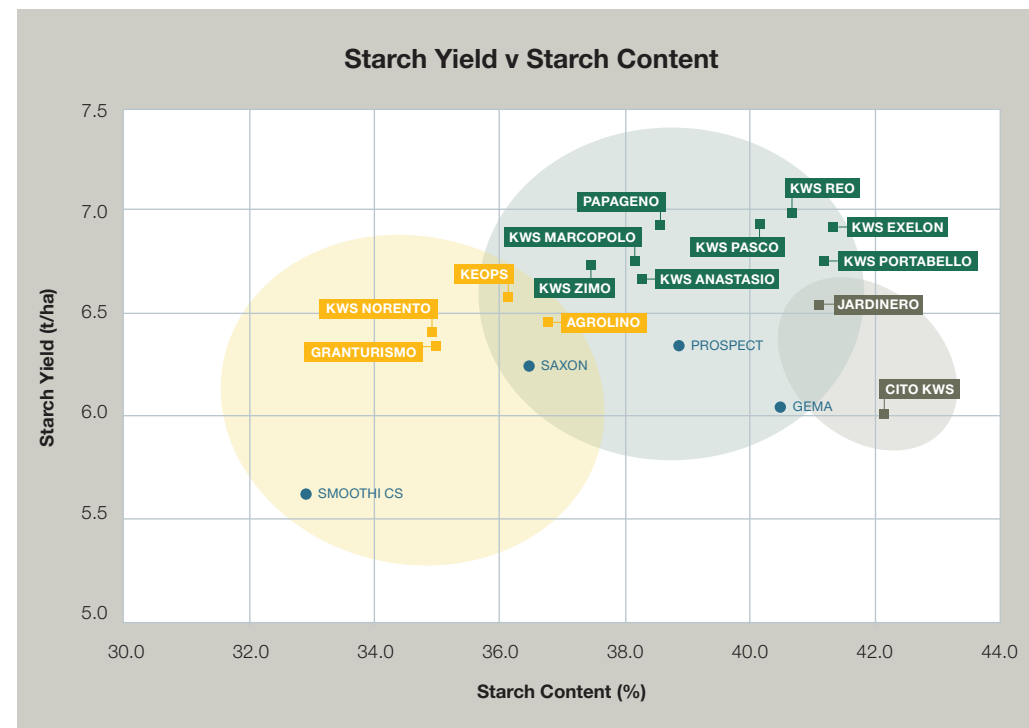
Why this graph is important to you

- The graph shows the capacity of varieties to complete starch laydown over the growing season.



How to use this graph

- A high starch yield makes it extremely economical to grow in marginal areas or shorter growing windows, especially when combined with high grass silage diets
- Varieties on the right (ultra early) have the shortest growing season, and complete starch laydown earlier, with associated higher starch content
- Varieties in the centre (maincrop) generally provide a balance between starch content and DM yield
- Varieties on the left (late / biogas) favour higher DM yields rather than starch content on favourable sites.



Data source: KWS L250 2023 Average of all Sites.

■ Ultra Early (FAO 150-160) ■ Early/Maincrop (FAO 160-190) ■ Late/Biogas (FAO 200-260)



Maize Selection

Early/Maincrop

High-yielding hybrids for all mainstream growing areas

Characteristics and suitability

- Typically 140–150 days to harvest
- Suitable for all mainstream sites, and higher heat unit areas
- High yields reduce costs per tonne of dry matter
- Superb options for dried grain maize
- Excellent for biogas and large growers seeking to stagger harvest dates
- Slow dry down provides a wide harvest window

Crop and animal performance

- Crops can exceed 18t/ha DM
- Suitable for TMR diets with up to 70% maize silage inclusion – boost DMI
- Provides an energy dense silage – typically 11.5+ MJ/kg DM
- Typical starch content 31-37% – balances the diet in high maize silage inclusion rates for improved rumen health

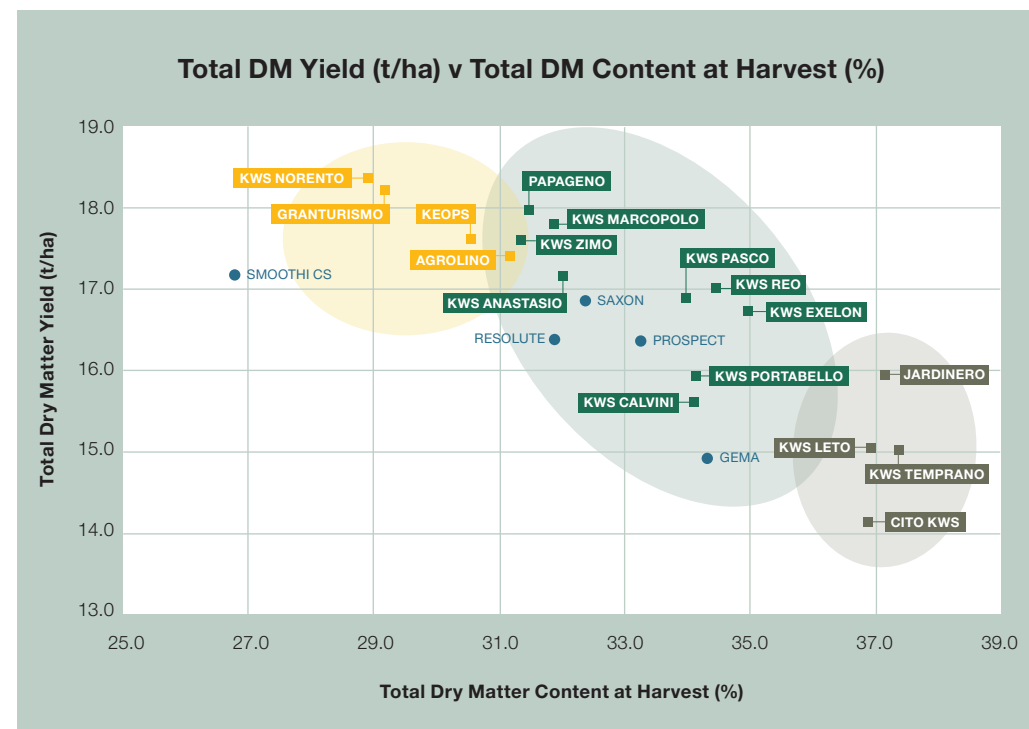
How do these varieties compare?

Why this graph is important to you

- An economic yield of dry matter and relative maturity are the most important consideration for the majority of growers. Selecting a variety that reaches maturity will improve feed quality and increase dry matter intakes in ruminants.

How to use this graph

- Select varieties on the right (ultra early) of the graph to provide economic yields in the least favourable areas and/or the shortest growing windows
- Select varieties in the middle (early/maincrop) for mainstream conditions, and good growing conditions
- Select varieties on the left (energy/biogas) for the best conditions and a long growing season.



Data source: KWS L250 2022 & 2023 Average of all Sites.

■ Ultra Early (FAO 150-160) ■ Early/Maincrop (FAO 160-190) ■ Late/Biogas (FAO 200-260)



Maize Selection

Late/Biogas

Maximise your energy yield per hectare with our varieties

Characteristics and suitability

- Typically 150+ days to harvest
- KWS Late / Biogas varieties maximise per hectare yield and energy content
- Ideal for all mainstream and highly favourable sites, high heat unit areas, and sandy soils
- Lowest £/t production costs
- Where drought tolerance is a factor, lower seed rates can help preserve yield
- Consider maincrop varieties as part of your strategy, depending on total harvest area and site suitability
- Different maturities allows wider drilling and harvest windows

Crop and digester performance

- Exceptional sites can exceed yields of 24t DM/ha or over 70t/ha fresh
- Stay green characteristics provide the widest harvest window
- Prolonged biogas plant retention times, due to maximised cellulose and hemicellulose properties, maximise gas yields

How do these varieties compare?

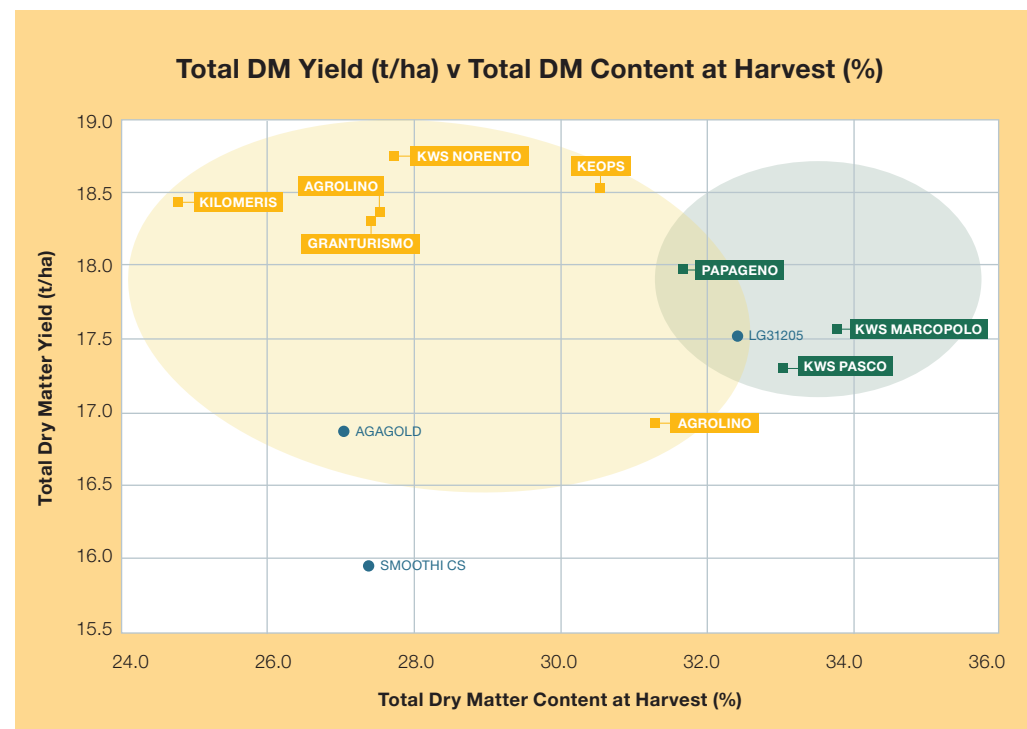
Why this graph is important to you

- These varieties will deliver performance on favourable sites, with high heat units and long growing season. Yield potential is met when these conditions are fulfilled. Maturity will vary according to drilling and harvest dates, soils, altitude and latitude of the site.



How to use this graph

- For livestock performance consider yield with desired quality characters
- High DM yield is directly linked to methane yield, a key target for AD plants
- Consider varieties on the right for flexible end use and 'fit' into harvesting schedule
- Consider varieties on the left for the best growing conditions, and the longest growing season. i.e. sow first, harvest last.



Data source: KWS L250 2023 Average of all Sites.

■ Ultra Early (FAO 150-160) ■ Early/Maincrop (FAO 160-190) ■ Late/Biogas (FAO 200-260)



Maize Selection

Crimped & Dried Grain

Provide increased levels of valuable bypass starch!

Crimped Maize

Characteristics and suitability

- ME average 14.5+ MJ/kg DM
- Requires later harvest for riper grain – typically 3-4 weeks later than silage
- Only the cobs are harvested, the stover is left on the ground
- The remaining stover on the ground significantly helps the later harvest conditions by increasing vehicle float and cleanliness
- Combine with maize picker header required
- Low clamp (or ag-bag) storage requirements
- High dry matter (65-70%) reduces the effluent risk to around zero

Dried Grain maize

Characteristics and suitability

- Produced principally for feed compounders
- Contracts available from compounders and merchants
- Excellent low input break crop for arable farms
- Select varieties with good dry down to minimise subsequent drying costs
- Later harvest period required to allow grain dry down on the plant (later than crimped maize)
- Plants need good standing power due to later harvest
- Combine with maize picker header required
- Stover returned to soil increases travelability and aids SOM

How do these varieties compare?

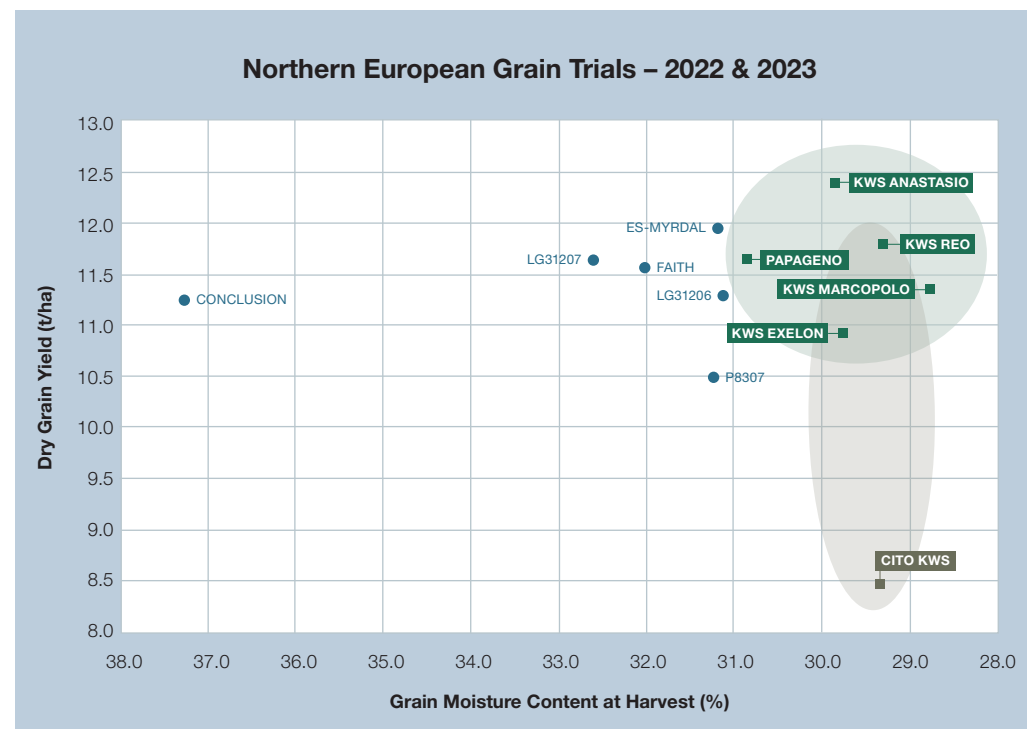
Why this graph is important to you

- It is important to choose a variety that delivers an economic grain yield, which has sufficient drydown for its intended end use. For crimped maize crop dry matter is less important, as you are treating a moist crop for storage. General crop maturity should be considered. Maize grain is more costly to dry due to nature of the kernel. The balance between yield and dry grain is important to deliver improved economic performance.



How to use this graph

- For crimped maize consider selected ultra early and early varieties as they will allow an earlier harvest. Grain moisture at harvest is less important when a moist crop is stored
- For dried maize, consider varieties which have increased dry down, and have good standing ability. Ultra early varieties are usually avoided as the risk of brackling may increase as the grain completes dry down
- Balance the respective grain yields with any drying costs that may be incurred.



Data source: KWS Northern Europe Grain Trials 2022 & 2023 Average of all Sites.

■ Ultra Early (FAO 150-160) ■ Early/Maincrop (FAO 160-190) ■ Late/Biogas (FAO 200-260)

ULTRA EARLY VARIETIES

FAO 150-160

For maximum drilling or harvest security

Ultra Early

KWS TEMPRANO **FAO 150**

EnergyBoost

In Your Field...

KWS TEMPRANO delivers extreme earliness, whilst providing class leading dry matter and starch yields in the Ultra Early segment. Highly suited to short growing windows, especially on less favourable maize growing sites.



Scan this code to watch
our video review of
KWS TEMPRANO

Always finishes on time!



FORAGE



BIOGAS

Characteristics / Quality

- Outstanding and class leading yield for an Ultra Early – 17.1 t/ha DM
- Improved genetics deliver an additional 0.5t DM/ha yield, and super early
- Earliest short season hybrid available
- Exceptional starch content (38.5%)
- Highly suited for diets with 50% or lower maize inclusion
- Superb early vigour (6.9) suitable for early or late drilling

Data source:

NIAB Forage Maize Descriptive List. First Choice for less favourable sites (2025).

Ultra Early

CITO KWS FAO 150



Ultra Early

AUGUSTUS KWS FAO 160



In Your Field...

CITO KWS gives you options for early feedout, or later sowing after spring forage crops. As an added bonus, maximum starch content is achievable in more challenging maize growing areas.



Characteristics / Quality

- Very early maturing hybrid – short season from sowing to harvest
- Great yield performance in the ultra-early segment – (91%)
- Rapid early vigour (6.8) – ideal for early or late drilling
- Leading starch (40.8%) and exceptional energy value (12.07 MJ/kg DM) to boost ration energy density, and quality
- KWS top selling ultra-early hybrid
- Earliest option for crimped grain



Scan this code to watch our video review of CITO KWS

Data source:

NIAB Forage Maize Descriptive List. First Choice for less favourable sites (2025).

In Your Field...

AUGUSTUS KWS

is ideal for all dairy and beef finishing TMR systems where short season maturity is essential.



Characteristics / Quality

- Leading DM yield in its segment – (94%) across all marginal sites
- Rapid early vigour (6.9) gets crop established quickly on more challenging sites
- Excellent starch (38.0%)
- Great ME content (11.91 MJ/kg DM) to boost animal performance
- Rapid dry down at harvest



Scan this code to watch our video review of AUGUSTUS KWS

Data source:

NIAB Forage Maize Descriptive List. First Choice for less favourable sites (2024).

Ultra Early

NEW

JARDINERO FAO 160

Ultra Early

KWS LETO FAO 160

In Your Field...

JARDINERO[†] provides high Ultra Early yields and elevated starch content to turbo charge energy density in low maize inclusion rations



Scan this code to watch our video review of **JARDINERO[†]**

The short season finisher!



Characteristics / Quality

- Strong ultra early yield performance – 18.4t/ha DM (96%)
- Class leading starch content (37.2%) to elevate forage rations
- No compromise short season leader
- Excellent flexibility for late sowing and early harvest to beat variable seasonal conditions
- Strong early vigour (7.2)



Data source:
NIAB NL 2023.

[†] Subject to a Pre NL Marketing Agreement. Initial seed availability is limited.

In Your Field...

KWS LETO delivers excellent early season DM yield, suitable for shorter growing seasons.

A high energy hybrid to enhance animal performance.



Scan this code to watch our video review of **KWS LETO**

The short season champion!



Characteristics / Quality

- Impressive yield in the Ultra Early segment – 17.4 t/ha DM (95%)
- Tremendous starch content (38.5%) to boost ration performance
- Super early vigour (6.8)
- Highly suited to diets below 50% maize inclusion
- Suitable for late sowing and/or early harvest



Data source:

NIAB Forage Maize Descriptive List. First Choice for less favourable sites (2025).

EARLY/MAINCROP VARIETIES

FAO 160-190

For all mainstream growing areas and maximum starch yield

Early

KWS PORTABELLO FAO 160/170

EnergyBoost

In Your Field...

KWS PORTABELLO is out in front for early yield and delivers excellent starch to drive ruminant production. Very high early vigour encourages rapid establishment.

The front runner for short season yield!



FORAGE



BIOGAS

Characteristics / Quality

- High yield – 18.6 t/ha DM. Excellent for maturity
- Exceptional starch content (36.8%) ensures very high starch yield
- Produces an energy dense silage (11.76 MJ/kg DM)
- Highly suitable for diets with less than 50% maize inclusion
- Outstanding early vigour promotes rapid establishment
- Superb option for early sowing



Scan this code to watch our video review of **KWS PORTABELLO**

Data source:

NIAB NL Trials. 5 year DL and Year 2 varieties favourable sites (2025)

Early

DEBALTO FAO 170



Early

KWS CALVINI FAO 170



In Your Field...

DEBALTO will deliver in short growing seasons, with an attractive dry matter yield combined with excellent quality. An excellent option for an early biogas harvest, helping to spread the harvest window.



FORAGE



GRAIN



BIOGAS

Characteristics / Quality

- Strong yield performance – 18.5 t/ha DM across all sites
- High grain:stover ratio provides an energy dense silage
- Starch content (34.3%)
- Energy content (11.63 MJ/kg DM)
- Ideally suited for moderate to high (50-70%) TMR dairy or beef finishing rations
- Excellent vigour across all soil types (7.2)
- Multi-use variety for forage, crimped grain and biogas – spreads harvest window

Data source:

NIAB Forage Maize Descriptive List. Second Choice varieties for favourable sites (2024).



Scan this code to watch our video review of **DEBALTO**

In Your Field...

KWS CALVINI is suitable for all maize growing areas, and is an excellent choice for forage or AD production. Robust and well proven on all sites.



FORAGE



BIOGAS

Characteristics / Quality

- Top DM yield – 18.1 t/ha DM across NIAB less favourable sites
- Excellent early vigour (7.0)
- Very high starch content (37.2%)
- High starch yield potential of over 6.7t/ha underlines yield performance
- Great energy values (11.76 MJ/kg DM)
- High kernel content and ripening stability

Data source:

NIAB Forage Maize Descriptive List. First Choice varieties for less favourable sites (2025).



Scan this code to watch our video review of **KWS CALVINI**

Early

KWS REO FAO 170

EnergyBoost + SiloBoost



Early

AUTENS KWS FAO 170



In Your Field...

KWS REO fires on all cylinders. Highly consistent across all sites, helping you get to the chequered flag first! A winner for multi-use production on mainstream sites.



Characteristics / Quality

- Extreme yield for its maturity – 20.0 t/ha DM – (108%)
- Impressive starch content – 36.3% provides class leading starch yield
- High energy density – 11.68 MJ/kg DM boosts ration performance
- Highly suited for 50-70% inclusion in ruminant diets
- Consistent stand out performance across all sites
- Impressive early vigour

Data source:
NIAB NL Trials. 5 year DL and Year 2 varieties favourable sites (2025)



Scan this code to watch our video review of KWS REO

Turbo charge your performance!

In Your Field...

AUTENS KWS continues to deliver season after season and is highly proven across all favourable sites, and for all uses. Highly stable performance and impressive in the field. A good choice for first time growers.



Characteristics / Quality

- Stable yield performance – 18.1 t/ha DM
- Faster dry down with great standing power
- Outstanding early vigour (7.5) on all soil types
- High starch content (34.3%)
- Excellent energy content (11.74 MJ/kg DM)
- Provides an excellent early harvest option on lighter land

Data source:
NIAB Forage Maize Descriptive List. Second Choice varieties for favourable sites (2022).



Scan this code to watch our video review of AUTENS KWS

Outstanding yield performance!

Early

KWS EXELON FAO 170

Early

KWS PASCO FAO 170/180

In Your Field...

KWS EXELON has the potential to carry 20 grains per ring provides you with superb grain quality, leading to high starch yields. This is combined with excellent DM yield and maturity – a great all rounder.



FORAGE



GRAIN



BIOGAS

Characteristics / Quality

- Leading DM Yield – 18.7 t/ha DM
- Excellent starch content (35.2%)
- Fantastic energy values produces superb silage (11.75 MJ/kg DM)
- Highly suited to moderate to high (50-70%) inclusion in dairy and finishing rations
- Excellent vigour (6.9) on all soils allows your crop to get up and away – fast
- Stand out performance and consistency across all sites

Data source:

NIAB Forage Maize Descriptive List. First Choice varieties for favourable sites (2025).



Scan this code to watch our video review of **KWS EXELON**

In Your Field...

KWS PASCO is a flexible variety for forage and grain. This is an all-round variety that will not disappoint, and is suited to high maize inclusion diets – boosting your animal performance.

Hugely consistent performance across favourable and less favourable sites.



FORAGE



GRAIN



BIOGAS

Characteristics / Quality

- Produces high DM yields in the field – 18.9 t/ha DM (102%)
- Balanced starch content (34.4%) – an ideal variety for high maize inclusion diets
- High energy content (11.65 MJ/kg DM) increases ration energy density
- Performs very well for crimped grain to produce a higher energy feed suitable for dairy or enhanced finishing
- Great early vigour (7.1) on all soils provides a solid start

Data source:

NIAB Forage Maize Descriptive List. First Choice varieties for favourable sites (2025).



Scan this code to watch our video review of **KWS PASCO**

Early

RODRIGUEZ KWS FAO 180



Early/Maincrop

AURELIUS KWS FAO 180



In Your Field...

RODRIGUEZ KWS is a true dual purpose variety for either silage or grain production. A stable, repeatable crop which grows consistently well, even at higher altitudes or on heavier soils.



Characteristics / Quality

- Produces high DM yields in the field – 18.1 t/ha DM
- Balanced starch content (36.7%) makes an ideal variety for high maize inclusion diets
- High energy content (11.76 MJ/kg DM) increases ration energy density
- Performs very well for crimping to produce a higher energy feed suitable for dairy or enhanced finishing
- Great early vigour (6.6) on all soils provides a solid start



Scan this code to watch our video review of **RODRIGUEZ KWS**

Data source:
NIAB Forage Maize Descriptive List. First Choice varieties for favourable sites (2025).

Versatile for silage or grain!

In Your Field...

AURELIUS KWS is a consistent yield performer. Particularly suited to high maize inclusion in modern TMR rations. A highly flexible variety to meet the needs of all growers.



Characteristics / Quality

- Consistent DM yield (101% DM yield)
- Rapid early vigour (7.5) for a flying start
- Suitable for high maize inclusion in diets (60%+) due to balanced starch content (32.7%)
- High energy content (11.67 MJ/kg DM) drives ration performance
- Can help stagger harvest window for biogas growers



Scan this code to watch our video review of **AURELIUS KWS**

Data source:
NIAB Forage Maize Descriptive List. Second Choice Varieties for favourable sites (2022).

A class act!

Early/Maincrop

KWS ANASTASIO

FAO 180/190

Early/Maincrop

KWS ZIMO

FAO 190

SiloBoost

In Your Field...

KWS ANASTASIO offers you a high level of harvest flexibility, and is suited to all your needs, be it forage, biogas, crimped or dried grain.



Scan this code to watch our video review of **KWS ANASTASIO**

Maincrop silage and grain hybrid for every season!

Characteristics / Quality

- Leading DM yields – 19.2 t/ha DM (103%) to fill your clamps – forage or biogas
- Great starch content (32.5%) for high maize diets
- High energy content (11.56 MJ/kg DM) to deliver ration performance
- Highly suitable for dry grain production
- Leading early vigour (7.1) on all soil types provides a rapid establishment

Data source:

NIAB Forage Maize Descriptive List. First Choice varieties for favourable sites (2025).

In Your Field...

KWS ZIMO delivers high dry matter yields as a maincrop, to fill your clamp for both ruminant and AD performance.



Scan this code to watch our video review of **KWS ZIMO**

Fill your silo – time after time!



Characteristics / Quality

- High yields on favourable sites – 20.3 t/ha DM to reduce your cost of production
- Balanced starch content (34.8%) is ideal for 50-70% maize diets
- High ME content (11.67 MJ/kg DM) fuels animal and digester performance
- Excellent early vigour provides a rapid establishment and promotes a longer growing season

Data source:

NIAB NL Trials. 5 year DL and Year 2 varieties favourable sites (2025)

Early/Maincrop

NEW

KWS MARCOPOLO FAO 190

Early/Maincrop

PAPAGENO FAO 190

SiloBoost

In Your Field...

KWS MARCOPOLO†

fills you with confidence by providing incredible yields and balanced starch content, making it an excellent option for high maize inclusion diets in both beef and dairy.



FORAGE



GRAIN



BIOGAS

Characteristics / Quality

- Astounding yield performance – 19.9 t/ha DM (104%)
- Starch content (31.8%) well suited for high maize inclusion in rations
- Excellent choice for high energy feed (11.54 MJ/kg) to elevate milk yield and daily live weight gains
- Rapid early vigour (7.0)
- Highly flexible variety for drilling date and harvest
- Best suited to high maize inclusion diets (50-70%)

Data source:
NIAB NL 2023.

† Subject to a Pre NL Marketing Agreement. Initial seed availability is limited.



Scan this code to watch
our video review of
KWS MARCOPOLO†

In Your Field...

PAPAGENO increases options for AD, silage or grain growers looking for a wider drilling window, and high yield performance.



FORAGE



GRAIN



BIOGAS

Characteristics / Quality

- Excellent dry matter yields – 19.5 t/ha DM (105%)
- Starch (32.0%) exceptionally well balanced for the highest maize ration inclusion rates
- Great energy (11.52 MJ/kg DM) content to drive animal performance
- Super early vigour (6.7)
- Ideal variety to aid the spread of drilling and harvest

Data source:

NIAB Forage Maize Descriptive List. First Choice for favourable sites (2025).



Scan this code to watch
our video review of
PAPAGENO

LATE/BIOGAS VARIETIES



FAO 200-270

Maximum DM yield, and lowest cost per tonne for forage and biogas production

Late/Biogas

AGROLINO FAO 200



In Your Field...

AGROLINO delivers heavy yields for both forage and biogas segments where a long growing season is available.

A heavy hitter delivering a knockout punch!



Characteristics / Quality

- High yields – 19.5 t/ha DM ensures clamps are full
- Balanced starch content (33.7%), and excellent energy concentration (11.6MJ/kg DM) – ideal for high maize inclusion ruminant diets
- Very suited to favourable sites with a longer growing window
- High early vigour widens the drilling options
- Provides harvest security with a wide harvest period, particularly in the AD segment



Scan this code to watch
our video review of
AGROLINO

Data source:

NIAB NL Trials. 5 year DL and Year 2 varieties favourable sites (2025)

Late/Biogas



KWS NORENT[†] FAO 210



Late/Biogas

KEOPS FAO 210/220



In Your Field...

KWS NORENT[†] provides an excellent option in the late maturity sector, with a combination of high yield and wider drilling / harvest windows.

Unlock later season performance!



Characteristics / Quality

- Heavy yield – 20.0 t/ha DM (105%)
- Highly suited for AD and ruminants
- Tremendous starch content (34.7%) and energy density (11.5MJ/kg DM)
- Great early vigour (7.2)
- Sow first and harvest last to maximise yield
- Highly suited to lighter soils



Scan this code to watch our video review of **KWS NORENT[†]**

Data source:
NIAB NL 2023.

† Subject to a Pre NL Marketing Agreement. Initial seed availability is limited.

In Your Field...

KEOPS is the benchmark variety in this maturity, delivering exceptionally high yields due to its agronomic stability. An excellent option on favourable sites for silage or AD when a long growing season is available.

Multi-use silage or biogas



Characteristics / Quality

- Significant yield potential on favourable sites
- Can be used to spread drilling window
- Wide harvest window due to stay green nature
- Strong early vigour gets early sowing up and away
- Seed at 42,000 seeds/acre (103,000 seeds/ha) in most areas
- In low rainfall areas reduce to 38,000 seeds/acre to (94,000 seeds/ha) to protect yield



Scan this code to watch our video review of **KEOPS**

Late/Biogas

NEW

KWS GRANTURISMO FAO 220

SiloBoost

Late/Biogas

AMAROC FAO 240



In Your Field...

KWS GRANTURISMO

is a yield champion on favourable sites. Highly suited for the highest inclusion rates in livestock rations and clear choice for AD feedstock.



FORAGE



BIOGAS

Max out on yields – and fill your clamps!

Characteristics / Quality

- Impressively high yield – 20.2 t/ha DM (109%)
- High AD credentials due to huge yields
- Balanced starch content (27.8%) allowing highest inclusion rates in ruminant rations
- Super early vigour (6.8)
- Suitable for early sowing and later harvest especially on lighter soils

Data source:

NIAB Forage Maize Descriptive List. First Choice for favourable sites (2025).



Scan this code to watch our video review of KWS GRANTURISMO

In Your Field...

AMAROC offers excellent DM yield for AD feedstock production, on favourable sites, and in high heat unit areas.



Scan this code to watch our video review of AMAROC

Heavy yield potential



BIOGAS

Characteristics / Quality

- Heavy yield potential on favourable sites
- Ideal for spreading harvest and drilling windows on lighter land
- Rapid early vigour
- Reduce chop length to 7-9mm to ensure optimal AD performance
- Sow at 42,000 seeds/acre (103,000 seeds/ha) in most areas
- In low rainfall areas reduce to 38,000 seeds/acre (94,000/ha) to protect yield

Data source:

KWS Agroservice 2015-2016.

Late/Biogas

KILOMERIS FAO 270

The **boost** for your silos

In Your Field...

KILOMERIS is suited to only the very best sites, where it can provide exceptional performance for your AD feedstock production, with huge DM yield potential.



Scan this code to watch
our video review of
KILOMERIS

The ultimate in feedstock yield – ideal for light soils!



Characteristics / Quality

- Enormous yield potential on the most favourable, high heat unit sites – 24 t/ha DM 2019
- Ideal hybrid for drought-prone areas – yields exceed earlier hybrids
- Reduce chop length to 7-9mm to ensure optimal clamp and AD performance
- Sow at 40,000 seeds/acre (98,000 seeds/ha) in most areas
- In low rainfall areas reduce to 38,000 seeds/acre (94,000/ha) to protect yield

Data source:
KWS LP251 2019 Average of all sites.

SiloBoost

**KWS REO, KWS ZIMO,
PAPAGENO & KWS GRANTURISMO**

Excellent dry matter yields, filling your clamp for silage or AD.

www.kws-uk.com

**SEEDING
THE FUTURE
SINCE 1856**



The **right** choice for **every** field.

#YourSeedPartner

Reap success with our
diverse seed portfolio

KWS



Drilling Tips

Optimum drill timing depends on **soil conditions**, **temperature** and **seedbed moisture**.

Modern hybrids have a high degree of cold tolerance but should not be drilled before soils have reached an **even temperature** for 3-4 days (8°C for light soils, 12°C for heavy soils) to give the best possible establishment.

Drilling considerations

- Soil type (heavy, medium or light soils), temperature and moisture availability
- Site and yield potential (eg warm site with light soils, cold site with heavy soils)
- Short-term weather forecast

Effects of premature drilling

- Slowed germination
- Uneven emergence, necessity to increase seed rates
- Reduced nutrient uptake (low soil temperature)

Effects of late drilling

- Delayed harvesting
- Requirement for earlier maturing varieties
- Increased risk of lodging



Recommended seed rates

Plants/ha (acre)	Units*/ha (acre)	Deposition distance (cm)	
		at 75cm (30")	at 50cm (19")
85,000 (34,000)	1.8 (0.72)	14.9	22.4
90,000 (36,000)	1.9 (0.76)	14.1	21.2
95,000 (38,000)	2.0 (0.81)	13.3	20.1
100,000 (40,000)	2.1 (0.85)	12.7	19.0
105,000 (42,000)	2.2 (0.89)	12.1	18.1
110,000 (44,500)	2.3 (0.93)	11.5	17.3
115,000 (46,500)	2.4 (0.98)	11.0	16.6

*1 Unit = 50,000 seeds

Harvesting Tips



The KWS UK portfolio focuses on offering farmers the flexibility of a wide harvest date range, demonstrated in two key areas:

- Avoiding rapid dry down of the leaf stover maintains a good level of stay green
- Early flowering and cob maturity

Grain maturity		Description	Cob DM (%)	Whole plant DM (%)
Milk		Grain immature Avoid premature harvesting	10-15	< 20
Soft dough		Grains become firmer. Husks remain green	20-28	20-27
Hard dough		Silage maturity reached at 'hard dough' stage. Reduced risk of clamp effluent	30-45	28-32
Hard ripe		Grain at 'hard ripe' stage. Crop ready for late cut silage or CCM	48-50	33-35
Fully ripe		Grain fully matured Husks died back Ready for crimped maize or late cut CCM	65-70	36-45

Effects of harvesting too early

- Lower yield
- Reduced energy, starch and ME which results in lower intake potential
- Higher risk of clamp effluent – requires a longer chop length
- Poor dry matter intake and palatability resulting from acidic silage

Effects of late harvesting

- Higher harvesting costs and increased field losses
- Low digestibility and palatability
- Excessive dry matter and poor clamp stability
- Difficult clamp consolidation requires a shorter chop length
- Soil damage/compaction

A virtual experience



Maize 360

Maize 360 gives an online virtual experience of our KWS Maize Demonstration site at Lydney.

View the crop, walk the trial field and listen to our experts as they take you through all of our commercial hybrids and our breeding demonstration.

Visit our website or scan the QR code to experience Maize 360!



KWS UK LTD – MAIZE

Atwoods Grange
Station Road
Woolaston
Lydney
Gloucestershire
GL15 6PN

KWS UK LTD

56 Church Street
Thriplow, Nr Royston,
Hertfordshire
SG8 7RE
Tel: +44 (0) 1763 207300
Fax: +44 (0) 1763 207310

www.kws-uk.com



Rob Hunt

Commercial Director
Mobile: +44 (0)7979 290702
E-mail: rob.hunt@kws.com



Andrew Cook

Maize Product & Sales Manager
Mobile: +44 (0)7970 734363
E-mail: andrew.cook@kws.com



Tom Turner

Maize National Sales Manager
Mobile: +44 (0)7855 205624
E-mail: thomas.turner@kws.com



Alison Phipps

General Enquiries
Telephone: +44 (0)1594 528234
E-mail: maize@kws-uk.com

Follow us on social media and share your stories!



@KWSUKLtd



@KWSUKLtd



@KWSUKLtd



KWS UK Ltd



@KWSUKLtd