



MAIZE SEED

2021

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GUIDE TO SUCCESSFUL MAIZE SILAGE



Drilling Date: Ideally mid-April to early May, early drilling improves dry matter yields, grain content and drought sensitivity.

Soil Temperature: Consistently at 8°C at sowing depth.

Seed bed: Ensure a moist loose / fluffy deep tilth with no compaction or water logging.

Sowing depth: The seed must be sown into moisture usually 35 - 40mm.

Starter Fertiliser: Significantly improves establishment by speeding up initial growth especially on nutrient low soils, whilst improving maturity, dry matter and starch yields. Proven as a crop investment.

Growth Fertilizer: **Vitally** important for maize yield & quality (see table opposite) consider **Emicie-N³⁸** as routine

Seed Dressing: See treatment options (Treatment legislation is likely to change again in 2022)

Seed Rates: Optimum seed rate of 45,000 seeds per acre yield of energy & starch (Silage)

Weed Control: Due to maize's lack of competitiveness in its early growth stages effective weed control is imperative to avoid crop failure.

Maize Eyespot: An increasingly common fungal disease affecting continuous maize at temperatures below 27°C. It will also affect harvest dates, starch levels and feed values. A preventative spray in mid July will control any potential occurrences. Combined with **Emicie-N³⁸** application.

Harvest Maturity: Immature harvesting reduces energy and starch yields by up to approximately 30%, adversely effecting silage performance.

Dry Matter:

Forage	30% - 35%	Maximum animal intake
Digester	27% - 31%	Maximum for anaerobic digestion fermentation

Chop Length:

Forage Long Chop	12mm - 15mm	for rumen digestibility
Biogas Short Chop	7mm - 10mm	for extra surface area
Very Wet	20mm - 25mm	to reduce effluent
Very Dry	10mm	to improve clamp compaction

Grain Cracking: To ensure maximum energy utilisation the corn cracker must be correctly adjusted to completely shatter all the grains to a powder.

Feed Out: Leave the clamp sealed for at least 4 weeks allowing the silage to stabilise and the grains to soften to maximise feed energy.

LALLEMAND

Crop and Condition inoculants deliver high quality forage for both livestock and anaerobic digestors

MAGNIVA
PLATINUM MAIZE ELITE

MAGNIVA
PLATINUM MAIZE

If you have any questions or require extra information please call 01531 822833



MAIZE FERTILISER REQUIREMENTS

Correct nutrition is vital to provide a successful and economic maize crop.

Figures below based on peak uptake for a 20 t/ac (50 t/ha) maize crop, at 32% DM.

210 kg / ha	168 units / acre	Nitrogen (N)
55 kg / ha	44 units / acre	Phosphate (P)
220 kg / ha	176 units / acre	Potash (K)

Available nutrients for the next crop following spring application

	Kg per tonne			Units per ton		
	N	P	K	N	P	K
Cattle FYM	1.2	2.1	7.2	2.4	4.2	14.4
Broiler Litter	9	15	16	18	30	32
	Kg per cubic meter			Units per 1000 gal		
Cow Slurry	1.0	0.6	3.2	9	5.4	29
Pig Slurry	1.2	1.0	2.3	11	9	21

Source PDA

It is important not to exceed your local environmental guidelines

See Fertiliser section on page 75 

MAIZE 2021 SEED TREATMENTS

Due to the de-registration of Mesuro (Methicard) Maize seed treatment, the seed treatments options for 2021 are listed below;



Redigo (M) Fungicide (Bayer) is a **well proven** broad spectrum fungicide treatment for the control of Fusarium, Pythium and other damping off diseases. **No bird repellancy.**

Korit[®] 420 FS

Korit fungicide and bird repellent (Syngenta) **standard**, a basic fungicide with protection against bird damaged in Maize.



Force 20CS Premium Insecticide & Bird repellent (Syngenta) **optional**.

Broad spectrum Teflathrin insecticide effective against soil pests including wireworm, corn root worms, Millipedes Sowfly and Cutworms.

Force 20 CS is also proven to have positive effects on seedling emergence, initial root development and crop establishment

NEW To improve bird repellency all  **Force[®] 20 CS** treated seed will be combined with **Korit[®] 420 FS**.

Visit www.greenfarmseeds.com





SECURE YOUR CLAMP WITH AN ULTRA-EARLY HARVEST.







Grow to expect the best

RGT DUXXBURY

FORAGE MAIZE

EXCELLENT QUALITY WITH ULTRA-EARLY MATURITY.

CHARACTERISTICS:

-  Consistent performer
-  Superb lodging resistance
-  Eyespot resistance
-  High starch

RAGT varieties include RGT Skyfall – the UK's most popular Group 1 wheat. RGT Wolverine – Europe's first BYDV resistant wheat. RGT Planet – the most widely grown spring barley in the world. Oil Seed Rape BIPO Royalty Area Collection Clearfield® and hybrid varieties. And with a mixture of over 10 new varieties for 2020 alone, isn't it time you discover seed varieties you can have total confidence in. RAGT – grow to expect the best.


(VERY EARLY F.A.O 160)

A proven generation of early maturing maize from the same breeder as Agiraxx which has shown consistency in 5 years of National Listing Trials.

In the 2020 BSPB trials for an early variety Duxxbury achieved the best scores for early Summer Lodging, Lodging, Green Snap and Brackling, therefore ensuring reliable, easy and early harvesting.

Duxxbury offers very early maturity even if sown relatively late after a spring silage cut or on less favourable sites.

Benefits

- Duxxbury combines excellent plant digestibility, energy and starch.
- Very good grain maturity reaching advanced true cob maturity
- Early whole plant dry down ensures good levels of dry matter in the clamp
- Very good starch yields from the early cob ripeness
- Excellent early vigour, standing power and produces well filled cobs reducing risk of microtoxin contamination in the clamp.
- Duxxbury is recommended for all less favourable, marginal maize growing sites or where early harvest date is of prime importance
- Very good eyespot resistance for an early maturing variety
- Duxxbury offers a good balance of plant dry down and grain maturity ensuring maximum utilisation and intake.
- Available with wireworm treatment (limited)  **Force[®] 20 CS** combined with **Korit[®] 420 FS**

Korit & Redigo M treated, 50,000 seed packs

Bred by 

Characteristics

Maturity	11
Dry Matter Yield %	97
Dry Matter %	37.4
Starch Content %	35.6
ME (MJ/kg)	11.7
Cell Wall Digestibility %	59.2

BSPB figures


 **BSPB**
 promoting innovation





RGT AGIRAXX (EARLY F.A.O 170)


The UK's most proven allround Maize variety.

A proven generation of high intake varieties  from R.A.G.T offering maximum digestibility.

Combines high dry matter and starch yields resulting in a high energy and digestible forage.

Suitable for favourable and less favourable sites.

Benefits

- Agiraxx produces a sturdy leafy plant with excellent standing power even in exposed locations.
- Highest dry matter yields in Kingshay trials
- Very good grain maturity reaching advanced true cob maturity
- In trials Agiraxx produces the silage with the highest total digestibility
- High dry matter, starch and M.E yields ensure maximum livestock performance
- Early leaf dry down combines well with grain maturity allowing early harvesting
- A very bold plant with large uniform well formed and enclosed cobs
- A robust variety with good early vigour ensures rapid establishment
- Available with wireworm treatment (limited)  **Force[®] 20 CS** combined with **Korit[®] 420 FS**

Korit & Redigo M treated, 50,000 seed packs

Bred by 



Characteristics

Maturity	9
Dry Matter Yield %	108
Dry Matter %	35.25
Starch Content %	34.2
ME (MJ/kg)	11.6
Cell Wall Digestibility %	57

Independent trials figures



RGT AGIRAXX

FORAGE MAIZE



Continued Winner
of Multiple
Awards Nationally



For orders and advice call **01531 822833**



(MAINSTREAM F.A.O 180/190)

A very robust good looking hybrid with extremely good early vigour on all soil types.

In 2020 BSPB trials Likelt shows high scores for all round disease resistance, with the best Standing power and Lodging scores.

Likelt presents an exceptionally large cob which is fully enclosed.

Benefits

- Likelt shows very good early vigour combine highest standing power scores
- High cell wall and whole plant digestibility %'s in UK National List Trials
- Good all round disease tolerance including Eyespot and Fusarium
- Likelt is bred from Europe's most proven breeding programme
- Proven to be stable in a wide range of growing and soil situations
- A versatile variety which is reliable for forage, energy and grain production
- Likelt's high energy density is ideal for rations involving high proportions of maize silage and anaerobic digestion.
- Excellent cob retention with the highest lodging and brackling scores
- Well suited and proven for Biogas and Grain production

Korit & Redigo M treated, 50,000 seed packs

Characteristics

Maturity	8
Dry Matter Yield %	104
Dry Matter %	34.3
Starch Content %	33
ME (MJ/kg)	11.3
Cell Wall Digestibility %	60



**Best allround
for standing
power**



NEW FOR 2021

SMOOTHIE (MAINSTREAM F.A.O 200)

Very consistent single cross variety, producing large strong plants with very good grain fill and uniform cobs.

A dual use maize variety with slight stay green good digestibility and excellent forage qualities making it suitable for forage or biogas.

Benefits

- Consistently the highest fresh and dry matter yielding variety on the 2020 & 2021 BSPB list
- Extremely good standing power and lodging resistance in all situations (Highest BSPB scores 2020 & 2021).
- A robust plant type with good early vigour and forage production
- Large root system gives excellent drought tolerance
- Big strong plant for its maturity group, with high dry matter yield
- A slightly greener plant results in a highly digestible good quality silage is clamped with high ME
- Exceptionally good all round disease resistance
- Produces enclosed well-formed mature cobs
- Well suited and proven for high yielding Biogas production

Characteristics

Maturity	7
Dry Matter Yield %	107
Dry Matter %	30
Starch Content %	30
ME (MJ/kg)	11.5
Cell Wall Digestibility %	59



**Highest yielding
on 2021
BSPB LIST**

Bred by



NEW FOR 2021

RANCADOR (FAO 190/200)

- Rancador is bred from Europe's most proven breeding programme
- A strong hybrid with good all-round agronomic characteristics
- A versatile variety suitable for forage and energy maize productions
- High grain and biogas yields in European trials
- Looking to produce a very energy dense forage
- New Entry on the BSPB national list

Maturity	6/7	Mainstream
Dry Matter Yield %	106	High
Dry Matter %	33.5	High
Starch Content %	33	High
Cell Wall Digestibility %	60	Very High



Bred by

Marketed by



RH 19040 (FAO 170)

- A new early hybrid from RAGT the same breeder as Agiraxx and Duxxbury
- Successfully completed 2 years of UK National Listing trials
- Exceptional all round standing power and disease resistance
- Very good cob presentation and retention

- **Very Limited seed 2021**

Maturity	8/9	Mainstream
Dry Matter Yield %	103	High
Dry Matter %	34	High
Starch Content %	34.2	High
Cell Wall Digestibility %	59	Very High

Bred by



BUDGET

INOXX (F.A.O 210)

- A proven European maize variety with good yields
- Produces a strong bulky plant with full cobs
- Most suited to favourable sites and early sowing
- An economically priced and robust variety
- Successfully used for forage and grain production
- Excellent all round agronomic characteristics and plant health

Characteristics

Maturity	6
Dry Matter Yield %	102
Dry Matter %	32.4
ME (MJ/kg)	11.1

Bred by



Korit & Redigo M treated, 50,000 seed packs

