

CROP GUIDE 2020



BRASSICA



Sowing your Success



NZ



IMPORTANT NOTICE TO CUSTOMERS

1. PURCHASES SUBJECT TO TERMS AND CONDITIONS

The Customer acknowledges that all purchases from Fairbank's Selected Seed Co. Pty Ltd and Fairbanks Seed NZ Ltd. ("Fairbanks") are subject to and governed by Fairbanks standard terms and conditions of trade ("Terms of Trade"), a copy of which is available from Fairbanks upon request.

2. INFORMATION GUIDE ONLY

Any figures or data stated are for general comparative purposes and are not absolute values. All information provided in the attached material is intended as an introductory guide only and must be considered by potential purchasers in the context of location, climate, soil type and conditions and any other relevant growth and development factors. Accordingly any purchases are made on the basis that the customer acknowledges and agrees that-

- a) Seed products will not necessarily be suitable for a given location, soil type, climate or season;
- b) It will not purchase seed products from Fairbanks unless it has prior to placing any order obtained specific advice from a suitably qualified agronomist or direct from Fairbanks as to the desirability of growing the relevant seed
 - (i) In the location;
 - (ii) At the time: and
 - (iii) Under the conditions that it is proposed the seed will be grown;
- c) It will in utilising any seed purchased from Fairbanks, follow accepted industry best growing practices and seek and follow suitable agronomy advice at all times; and
- d) Fairbanks recommends that in all cases a small scale trial of the relevant product be conducted at the proposed site of production at the appropriate seasonal timing to test the suitability of the product for local conditions.
- 3. LIMITATION OF LIABILITY

Liability of Fairbanks is limited as set out in the Terms of Trade.

4. NO WARRANTY AS TO AVAILABILITY

a) Whilst Fairbanks will use its best endeavours to ensure that it is able to provide Products to the Customer when required, it does not warrant or guarantee that it will be able to do so and will not be responsible for any losses alleged to have been suffered by the Customer as a result of failure to supply or delay in supplying Products, regardless of the reason for the failure to supply. In this regard the customer acknowledges that availability of seed is unpredictable and, irrespective of whether seed or other Products are marketed by Fairbanks, no representation of ability to supply is given by Fairbanks to the Customer.

Pb

b) Fairbanks retains the absolute discretion at all time to refuse to accept any order made by the Customer for Products.

DISEASE RESISTANCE

Resistant is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:-

High standard resistance (HR): plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

Moderate/Intermediate resistance (IR): plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to high/standard resistant varieties. Moderately/Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and / or pest or pathogen pressure.

ABBREVIATIONS

Brassicas – Broccoli, Brussels Sprouts, Cabbage, Chinese Cabbage, Cauliflower

Foc:1 = Fusarium yellows race 1

(Fusarium oxysporum f.sp. conglutinans)
Clubroot (Plasmodiophora brassicae)



BROCCOLI



NEW Balard F₁ (BRC17238)

Balard is a cool season harvest broccoli from Syngenta. Medium-large size plant frame with upright habit and good harvest visibility. Heads are high domed, smooth with good bead uniformity and firmness.

Trial variety for further evaluation.



Bandit F₁ syngenta

Bandit is a cool season harvest broccoli from Syngenta. Plants are uniform, have good vigour and produce elevated, dark green, dome shaped heads with a fine bead.



NEW

Beany F₁

Cool shoulder season harvest broccoli from Syngenta with excellent uniformity to maturity. Beany has a medium sized plant with a stem that is easy to trim at harvest. Mid green coloured heads are firm, semi-dome shaped with a small uniform bead size. Excellent results in NZ to date.



Montevideo F₁

A cool season harvest broccoli from Syngenta with extended growing periods and excellent field holding ability. It produces premium quality heads with exceptional uniformity. The heads are very firm with a high dome shape and thick stems.



BABY BUNCHING BROCCOLI

NEW Matrix F₁

An exciting new sweet baby broccoli for bunching, designed for multiple picks, increasing yield potential.

This baby bunching broccoli is a loose head type with a sweet and tender stem that forms highly attractive bunches, rivalling the current market standards.



CHINESE BROCCOLI - STEM



Frank F₁

Hybrid stem type Chinese broccoli (Kailaan). Slightly slower maturing than Bruce F1, giving good harvest flexibility. Produces thick tender stems with rounded green leaves, excellent uniformity. Best suited to cooler seasons, but can be harvested all year round.



BRUSSELS SPROUTS



Gustus F₁

Gustus is a medium maturing early season variety. It has excellent sprout spacing and yield capabilities. Gustus is ideal for hand and machine harvesting.



Luminus F₁

Luminus is a later maturing for the early season slot. Promising results in trials to date, showing high yield potential on a medium sized plant with an upright habit. Excellent uniformity in sprout shape and size.



Abacus F₁

Abacus is an early maturing midseason variety. It is a high yielding variety which produces excellent, dark green, medium size sprouts. Abacus is ideal for hand and machine harvest. HR: Foc:1



Crispus F₁



Crispus has resistance to most races of Club Root. It is an early to medium maturing variety for the mid-season with strong field holding ability. Crispus is high yielding and produces smooth high quality sprouts. HR: Pb:0,1,3



BRUSSELS SPROUTS



Gladius F₁

Gladius is a medium maturing, mid-season variety. Oval and firm sprouts with mild taste.
Bush is upright and produces consistent shape and size sprouts.



Martinus F₁

Martinus is a medium to late maturing mid-season variety. Producing firm, medium green, uniform oval shaped sprouts on a medium sized plant.



Cobelius F₁

Cobelius is a late season variety with early to medium maturity. Sprouts are green in colour, oval in shape. Sprouts are dense and firm which results in greater weight and ultimately higher yields. Bush is strong, upright and de-leafs well.



Cryptus F₁



Cryptus produces very uniform high quality sprouts with excellent field holding ability. It is a medium maturing variety for the mid to late season. It has resistance to most races of Club Root. HR: Pb:0,1,3



BRUSSELS SPROUTS



Profitus F₁

Profitus is a medium maturing mid to late season variety. Its strong sturdy plant grows taller than most in the late season producing very high yields of uniform firm green sprouts with a round shape.



Batavus F₁

Batavus is a medium maturing late season variety with very good frost tolerance. Produces excellent quality, dark green, medium sized sprouts. Good plant length with very nice cylindrical set. Excellent plant sturdiness and uniformity.



Albarus F₁

Albarus is a medium maturing late season variety. It produces high quality, firm, well filled sprouts which are very uniform and provide a mild taste.



Petrus F₁

Petrus is a late season variety with medium maturity and good holding ability. Sprouts are very dark green in colour, good quality, highly uniform and easy to hand pick. HR: Foc1



Redarling syngenta

Redarling is a pink/purple sprout with excellent sprout quality.
Comparatively high yielding with firm and well filled mild tasting sprouts. Strong performer over winter months.





CABBAGE



Kilaplon F₁ topes

Kilaplon is 4.5-6kg white cabbage with resistance to most races of Club Root. It is suitable for warm to cool season harvesting. Kilaplon has a large plant frame with reasonable thrip tolerance.

Not suited to spring harvest. It is ideal for fresh market and processing markets.

HR: Pb:0,1,3



Maxfield F₁

Maxfield is approx. 2.5kg white cabbage with resistance to most races of Club Root. It is suitable for warm to cool and cool to cool harvest. Maxfield has a nice round shape with good internal

structure and a sweet taste. HR: Pb: 0,1,3



Remala F₁

Red cabbage, approx. 2kg.
Suitable for all year round
production. Remala has shown
improved bolting tolerance versus
some standards and has a very
long field standing ability. Good
internal structure with excellent
round head shape. HR: Foc:1



Warrior F₁

Warrior is a 2.5 to 4.5kg white cabbage. It is suitable for warm to cool and cool to cool production. Warrior produces flat round heads with a small core and excellent internal structure.

www.fairbanks.co.nz



CAULIFLOWER





NEW

Aerospace F₁

A hybrid cauliflower from Syngenta for shoulder season harvest. Large sturdy upright frame with good curd protection. Smooth dense white curd, flat dome shape and nice tuck. Excellent results with exceptional uniformity to maturity.

Clarify F₁



A hybrid cauliflower with resistance to most races of Club Root for summer production. Semi-upright habit with a medium size frame. Well protected dome shaped head with a white curd weighing up to 1.2 – 1.5kg. Relatively quick to mature with very good uniformity. IR: Pb:0,1,3







Clarina F₁



A purple hybrid cauliflower from Syngenta with a medium frame and good uniformity. Smooth, dense purple curds. Plant has good field holding ability.

NEW Depurple F₁

Gohan F₁

A hybrid cauliflower for summer and autumn harvest. It has a strong frame with an excellent internal wrap. Produces an outstanding quality, dense, bright white curd that has a nice tuck. Strong tolerance to tip-burn.

Clarina has resistance to most races of Club Root and is suitable for autumn production. It has a semi-erect plant habit with good internal protection. Clarina produces firm, dense, high quality white curds. HR: Pb:0,1,3



CAULIFLOWER





A purple hybrid cauliflower from Syngenta with upright growth habit for easy harvest. Graffiti can be harvested at different maturity stages, performs best in warmer conditions. Colour intensifies with higher light levels.



Lestren F₁

A later maturing cauliflower for cool season harvest. Lestren has a strong upright frame with a thick leaf and excellent internal protection. Smooth dense curds are set high off ground level allowing ease of harvest. Trials to date have shown strong field holding ability and some tolerance to ricing under stressful conditions.



Highfield F₁

Highfield has resistance to most races of Club Root and suitable for warm season production. It produces a high quality, smooth, white curd. Highfield has a medium size plant frame and internal protection. HR: Pb:0,1,3



Monarch F₁ syngenta

Monarch is suitable for shoulder and cool season production. It is very adaptable in varying conditions with good internal protection. Monarch produces smooth, white, dense curds suitable for fresh market.



Summerlove F₁

Summerlove is suitable for warm season production. It has a medium sized frame and good internal protection. Summerlove has a vibrant, dense white curd which is suitable for fresh market production.



CHINESE CABBAGE - GREEN





Kilakin is a Chinese cabbage with resistance to most races of Club Root. It produces dark green outer leaves, has a classic shape and very nice internal structure. An excellent option for growers with Club Root problems. HR: Pb:0,1,3



Yuki F₁

Relatively slow bolting variety with uniform maturity. Dense internal structure. Intermediate resistance to some races of Club Root.



CHINESE CABBAGE - RED



Hallasan F₁

Outstanding quality Red
Chinese Cabbage with
beautiful internal bright pink/
red leaf colour and pale pink
stems. The leaves have a
crunchy texture, a mild sweet
flavour and excellent shelf life.
Medium to large size heads
with a uniform cylindrical
shape. Best grown outside
of the main bolting pressure
periods for Chinese cabbage.



Manibapa F₁

Slow bolting Red Chinese Cabbage. Produces uniform, well filled, tall oval shaped heads. Vivid red internal colour with dark red exterior leaves. Stronger field holding ability than Hallasan in bolting pressure periods.



PAK CHOI



Miyako F₁

An outstanding hybrid green stem pak choi for bunching. Miyako is early to mature, compact and suitable for all seasons. Miyako is renowned for its fantastic dark green colour and uniformity. It has good tolerance to bolting and to some races of Club Root.



Mini-Pak F₁

Mini green stem pak choi ideal for bunching. Uniform size and excellent shape. Dark green, smooth, elongated leaf shape. Upright stems with compact plant habit. High-end finished product, presenting beautifully when bunched.



Joi Choi F,

Slow bolting, early maturing white stem pak choi. Also known as Bok Choi, market leader for this segment.



Mini-Joi F,

Mini white stem bok choi for bunching. Uniform growing habit with a compact plant and smaller leaves. Vivid bright, white stems and dark green glossy leaves.

High-end finished product, presenting beautifully when bunched.

www.fairbanks.co.nz



KALE - BABY LEAF





Baby Tuscan

A much improved Tuscan kale variety for baby leaf production. It is very dark green in colour with quite savoyed leaves. This variety is perfect for the premium baby kale market.

Purple Russian F₁

Sensationally dark purple coloured baby kale. Finely serrated leaf with a fine stem attachment and outstanding uniformity. Thick leaf with great durability and improved shelf life for processing. Very similar leaf shape to traditional Red Russian kale, making it ideal for specialty baby leaf mixes.

KALE - BUNCHING







NEW Midnight Magic

Midnight Magic is a Tuscan kale (also known as black cabbage) which has been specifically bred for the premium bunching market. It has vibrant dark green leaves with a long slender shape and heavy savoy texture.

Kobolt F₁

A dwarf dark green hybrid borecole (curly) kale. Plants are sturdy and upright, approx. two thirds the height of regular borecole kale. Large leaves with shorter stems, ideal for bunching or processing markets.

Winnetou F₁ syngenta

A dark green hybrid borecole (curly) kale with very good holding ability and winter hardiness. Good quality leaves with a dark blue-green colour, leaves are thick with a very curly shape.

www.fairbanks.co.nz

Syngenta TopRes[™] Club Root Resistance

Clubroot is a widespread disease that causes serious problems in many Brassica growing areas. The disease is caused by a pathogen known as Plasmodiophora brassicae, a single-cellular organism. Symptoms of the disease include root malformations with hard swellings (clubs), that eventually rot. The disease also causes stunting through reduced growth, and the wilting of leaves due to the roots failing to function effectively. Chemical control of the disease is not effective. Therefore, good genetic resistance of the crop is important for its protection against the disease.



Syngenta has developed a monogenetic dominant native trait which provides intermediate resistance to most races of clubroot (IR: Pb:0,1,3) for varieties of the Brassica oleracea species (including cauliflower, broccoli, cabbage, Brussels sprouts, and others). This resistance is known as TopRes™, and is currently available in a selection of cabbage, cauliflower and Brussels sprouts varieties. Early trial work is currently being conducted in the broccoli crop and new hybrids with TopRes™ resistance are expected to be available for trial in the coming years. To identify which commercially available Syngenta varieties carry this resistance, just look for the TopRes™ symbol next to selected varieties in this crop guide.







Clubroot Disclaimer: The Syngenta resistance against Club Root is effective against the predominant races Pb:0 and Pb:1 and against the less frequent race Pb:3 but not against the infrequent race Pb:2 that may occur in some fields. At present limited information is available on the identification of these races and their occurrence.

identification of these races and their occurrence.

Genetic resistance is only one of the tools to manage clubroot. Culture measures such as liming, use of fertilizers with high percentage of calcium, proper drainage, good crop hygiene management are several of important components of an integrated approach to manage the disease. We always recommend to conduct small variety trials before starting commercial production of a new variety.





Notes

NOTICE FROM SYNGENTA AUSTRALIA PTY LTD:

When you purchase and open this pack, it means you agree to be bound by the terms and limitations set out in this Disclaimer. This product has been labeled in accordance with applicable law. Implied terms and warranties are excluded including, without limitation, as regards crop yield, purity, and/or quality, each of which depends on factors beyond Syngenta's control. Any picture on the packaging is representative only and does not constitute a warranty. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability of this product for its intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label, failing which Syngenta shall have no liability. No claim shall be asserted against Syngenta unless the purchaser reports any alleged defect to Syngenta within 30 days of the date of purchase. If a claim is made against Syngenta relating to the products or similar products, Syngenta shall be entitled to inspect the product where stored or sown. USE RESTRICTIONS: this product and one or both of its parental lines, and its packaging, are proprietary to Syngenta or its licensors. The only permissible use of the product and any parental seed incidentally contained in it is the production of a single crop of fresh produce, forage or grain for food, feed or processing. The product and any parental seed incidentally contained in this package or its progeny is strictly prohibited, except that fresh produce, forage or grain may be exported solely for food, feed or processing. For availability of licenses, contact Syngenta.

Cameron Robbie

Sales Manager 021 283 9677 crobbie@fairbanks.co.nz

Isabelle Peterson

Product Development Coordinator 021 531 677 ipeterson@fairbanks.co.nz

Customer Service

(09) 239 0893 info@fairbanks.co.nz















12 Alpito Place, Pukekohe, New Zealand, 2120



Sales: crobbie@fairbanks.co.nz Accounts: info@fairbanks.co.nz



Fax:

Phone: (09) 239 0893

(09) 239 0896



www.fairbanks.co.nz





