

Fairbanks Seeds



CROP GUIDE 2020/2021



BRASSICA



NZ

Sowing your Success

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.

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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

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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.
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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)
Pb	= Clubroot (Plasmodiophora brassicae)
Ac	= White blister (Albugo Candida)
Mb	= Ring spot (Mycosphaerella brassicicola)

BROCCOLI



Balard F₁
syngenta

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.



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.



Beany F₁
syngenta

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.



NEW
Gongga F₁
syngenta

Gongga is a new broccoli from Syngenta with exceptional uniformity. Tight firm holding heads, with excellent bead uniformity. Medium green head colour on a sturdy upright plant with good vigour. An adaptable variety of excellent overall quality, well suited to the warm season harvest.

BROCCOLI

Clubroot Resistance

NEW McLaren F₁  

A new warm season broccoli with the industry leading Syngenta clubroot resistance gene, known as TopRES. This is a breakthrough for growers experiencing clubroot losses over the summer harvest and planting periods. With dark green firm holding heads, early to mid maturity and an easy-to-harvest plant, McLaren has potential to bring a number of advantages to growers commercial programs.

HR: Pb0,1,3



BABY BUNCHING BROCCOLI



Matrix F₁ 

An exciting 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.

BRUSSELS SPROUTS



Gustus F₁
syngenta

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
syngenta

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
syngenta

Abacus is an early maturing mid-season 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
syngenta



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-leaves 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


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
syngenta



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



NEW

Cordesa F₁
syngenta



Cordesa is a blue-green coloured, heavily savoyed cabbage from Syngenta. Large plant frame with upright habit and easy to harvest heads. Small core with excellent head fill and uniformity. Industry first triple resistance package, having genetic defence against Clubroot, Ringspot and White Blister. HR: Pb:0,1,3, IR: Ac, Mb



Maxfield F₁
syngenta



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
syngenta

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.

CAULIFLOWER



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
 

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. Indent only variety
- Seed imported for confirmed orders. HR: Pb:0,1,3
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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.



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. Strong field holding even in the difficult early Spring harvest slot, showing some tolerance to ricing
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CAULIFLOWER



NEW **Koten F₁**
syngenta

A new large white cauliflower from Syngenta for cool season production. Koten has a medium to large sized healthy frame with excellent wrap, giving added curd protection from the elements. It has a bright white curd, with good tuck and density. Reliable production, with large harvest window through winter and spring in northern areas such as Pukekohe.



NEW **Leocen F₁**
syngenta

A new high vigour, true winter variety with outstanding curd quality and protection. Leocen has a uniform, well-structured plant with upright habit allowing for easy harvesting. Bright white, smooth curds with excellent density and a well tucked base. Maturity time approx. 21-22 weeks from transplant being well suited to lower north and south island regions.



Highfield F₁
syngenta 

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
syngenta

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.

CAULIFLOWER - COLOURED



Clementine F₁
NEW

A new hybrid bright orange cauliflower from Syngenta. The vibrant colour of the curd is a very intense orange, the brightest seen in trials to date. Great uniformity of colour.



DePurple F₁
syngenta

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



Graffiti F₁
syngenta

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.

CHINESE CABBAGE - GREEN



Kilakin F₁
syngenta



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
syngenta

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.

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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 F₁

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



Mini-Joi F₁

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.

KALE - BABY LEAF



NEW Baby Curled

A new and improved green curly kale variety for baby leaf production.

Nice mid green colour with attractive curled leaf margin and 3D shape. Good vigour for reliable crop establishment, slightly earlier maturity, good yields and extremely uniform crop.



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



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.

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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


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.

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KOHLRABI

NEW Fonda F₁  

Vigorous and healthy kohlrabi variety from Syngenta with the added benefit of clubroot resistance. Maturity is slightly earlier vs comparable standards. Extremely uniform in size and round shape. Nice light green colour with upright tops makes for an attractive end product



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.

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 high resistance to clubroot 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, broccoli and Brussels sprout varieties. To identify which commercially available Syngenta varieties carry this resistance, just look for the TopRes™ symbol next to selected varieties in this crop guide.



The advantage of this gene is evident in the surrounding photos (all taken in Australia) and can mean the difference between harvesting a crop or losing it all. We suggest using TopRes™ varieties in your crop rotation as a form of insurance against this devastating pathogen in fields where the disease is present or expected to be present.



Clubroot Disclaimer: Resistance against clubroot is effective against the predominant strains but not against infrequent clubroot strains that may occur in some fields. At present limited information is available on the identification of these strains 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

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Cameron Robbie

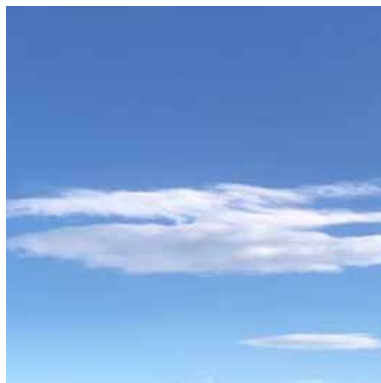
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