THE MAIZE BOOK 2026.

CORSON MAIZE®

Global science, local knowledge.

0800 4 MAIZE (62493)
corsonmaize.co.nz





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NEW

hybrids cropping up at Corson Maize...

CORSON MAIZE® PAC 011 NEW

PAC 011

SILAGE CRM 76

- Early maturing option for the majority of the South Island
- Tall, leafy with long ears
- Very high yield potential for its maturity

CORSON MAIZE® PAC 581 NEW

PAC 581

SILAGE CRM 110 / GRAIN CRM 111

- Tall, bulky hybrid
- Attractive and leafy with large well-filled ears
- Relatively low ear-set for its height
- Impressive yields of great quality silage

Contact your rural retailer or a Corson Maize Sales Agronomist on 0800 4 MAIZE (62493) or visit corsonmaize.co.nz

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INTRODUCTION

Welcome to The Maize Book for 2026.

One of the great aspects of my role in Corson Maize is that I get to see the results of all the new hybrids being trialled as they come through each season.

You will hear more from Mike Turner about the exciting developments with our hybrids on page 7. Every year, we are seeing new and improved hybrids well suited to New Zealand conditions.

The advancements coming in the next few years are going to be game-changers. We already have a commercial suite of maize hybrids that we are extremely proud of (see pages 22 - 41). We had these hybrids coming through our trials in the last three to five years; they were outstanding then, and they are proving their worth, in terms of selection and commercialisation, with growers across the country now.

Knowing that we will only bring a new hybrid to market when we know that it is better than what is available commercially, means that we are very excited by what we see coming through the selection process and what we will have available in the future.

The other aspect of our hybrid selection process that we are very proud of, is that we are firm in our criteria for choosing new hybrids. We are looking for the best hybrids that will perform well in a range of growing conditions, not just when it is favourable. This provides consistency for the grower in the three categories we focus on: Yield, Quality, and Resilience.

We often see hybrids coming through our trialling programme that perform extremely well in good conditions. But when the same hybrid is faced with a growing challenge, such as dry conditions or leaf diseases, for example, it just doesn't have the hardiness and resilience that we are looking for in our selection process. When that happens, it hasn't met our selection criteria, and we remove it from the programme.

As a grower, you need to know that whatever the conditions, you have planted a hybrid that provides the best chance of a successful crop at harvest. **That is what we focus on for you.**

Each year there are many changing conditions that you face as a grower. Whether it is the climate or the financial ups and downs of our trading markets, you can rest assured that Corson Maize hybrids are being produced in New Zealand to ensure you have the best chance of having a successful harvest.

We select hybrids from the most diverse range of global maize genetics suppliers here in New Zealand, and we then produce the seed to the highest standards at our newly developed production facility in Gisborne.

If you are interested in growing Corson Maize hybrids, please contact one of our local Sales Agronomists or one of our valued rural retail partner representatives.

Wishing you all the best for a successful season in 2026.



Graeme Austin
National Business Manager
Corson Maize



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WHY CORSON MAIZE?

We support New Zealand farmers by providing high-quality, resilient maize genetics with outstanding yield potential, supporting long-term farming success.

HOW WE DELIVER:

WORLD-CLASS GENETICS

- Access to hybrids with superior agronomic traits from leading global seed companies.
- Access to hybrid genetics from more maize seed breeders than any other maize seed company in NZ.
- Maintaining a continuous stream of cutting-edge genetics to meet evolving market needs.

RIGOROUS EVALUATION

- Multi-year trials to ensure hybrids perform in real-world New Zealand conditions.
- Continual data-driven insights to maximise yields and profitability.
- Commitment to constant improvement, ensuring every hybrid outperforms the last.

EXPERT GUIDANCE

- Local experts equipped with information to guide smarter, informed decisions.
- Personalised support tailored to your farm's goals and challenges.
- A dedicated sales team that supports you and your local rural retailer.



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PRODUCT DEVELOPMENT UPDATE

Another year, another set of challenges – and yet the industry has stood up and taken them in its stride. From variable temperatures and weather to global and local market shifts, growers have again shown extraordinary resilience to persevere and ensure their cropping plans and programmes have been completed. It's not easy, but it's worth it.

At Corson Maize, our product development programme is focused on delivering hybrids that perform consistently on farm, and not just in controlled trial conditions. Our hybrids are extensively tested across multiple environments, locations and seasons to ensure they are well adapted to New Zealand growing systems. Each hybrid is carefully assessed for yield performance, stability, and key agronomic traits, with only those that demonstrate reliable and repeatable results progressing into, and remaining within, our commercial portfolio.

Our current commercial portfolio continues to deliver strong agronomic performance across a wide range of environments. Growers can expect strong disease tolerance, good standability, and consistent yield stability from our hybrids, supported by ongoing monitoring beyond commercial release. Looking ahead, we have several exciting developments underway that will further enhance our offering in the coming years. These initiatives are focused on improving adaptability, resilience and overall productivity, ensuring our catalogue continues to provide solid, reliable hybrids for your chosen maize systems.

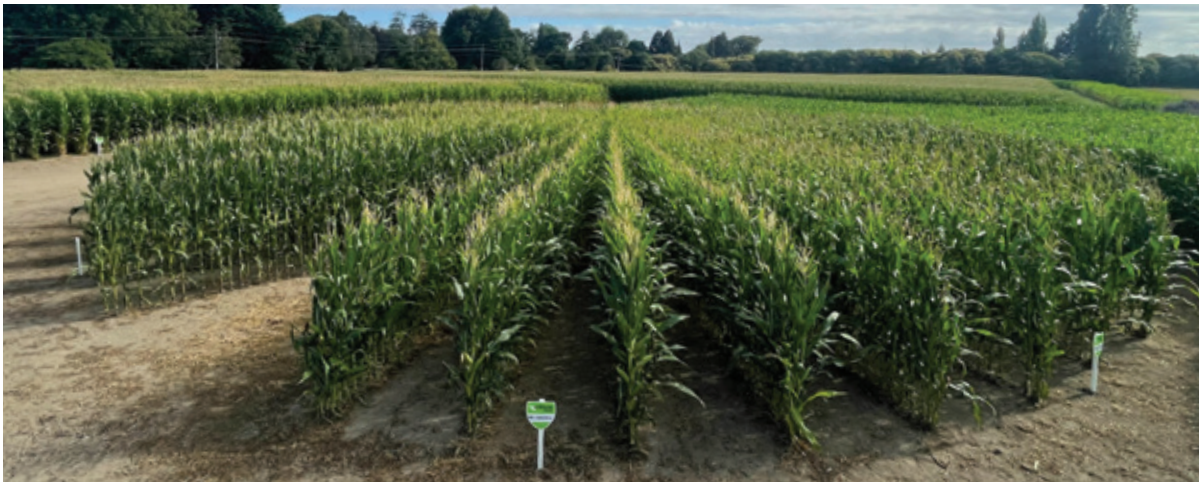
This season has also seen the establishment of our new Northland research site, strengthening our ability to generate region-specific maize data. Northland presents unique growing challenges, and this site allows us to evaluate hybrid performance under local conditions directly. The outcome is more relevant, locally generated information that supports growers and industry partners with greater confidence when selecting hybrids and fine-tuning agronomic practices for the region.

A highlight this year is the release of our new short maturing hybrid **PAC 011**. This hybrid is well-suited for South Island and Lower North Island growers looking for a quick silage option. Its impressive early vigour, combined with a tall, imposing leaf structure make it an ideal quick silage option. Limited seed supply will be available, so please get in touch with your local Corson Maize Sales Agronomist to see if it has a fit in your system.

As always, please contact us for a tour of your local trial sites. The team and I would love to hear from you.



Mike Turner
National Research Manager



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GLOBAL SCIENCE, LOCAL KNOWLEDGE

There are so many challenges when running a successful farm. Our aim is to remove at least one through the supply of high quality, reliable maize hybrids.

Corson Maize has access to genetics from more maize seed breeding companies than any other company in New Zealand. This diverse global reach allows us to take advantage of multiple science-led initiatives from around the world including breeding programmes for the delivery of superior disease resistance, improved palatability and digestibility, improved drought tolerance, dry matter yield and more. We then bring the best of these genetics to New Zealand, trial them (see more below) based on our local knowledge and experience, produce them in our local Gisborne seed processing facility, before finally releasing only the very best hybrids suited to New Zealand growers.

We continue to focus on resilient, high quality and high yielding hybrids because these are the three key characteristics that provide the best maize hybrids for New Zealand growers.

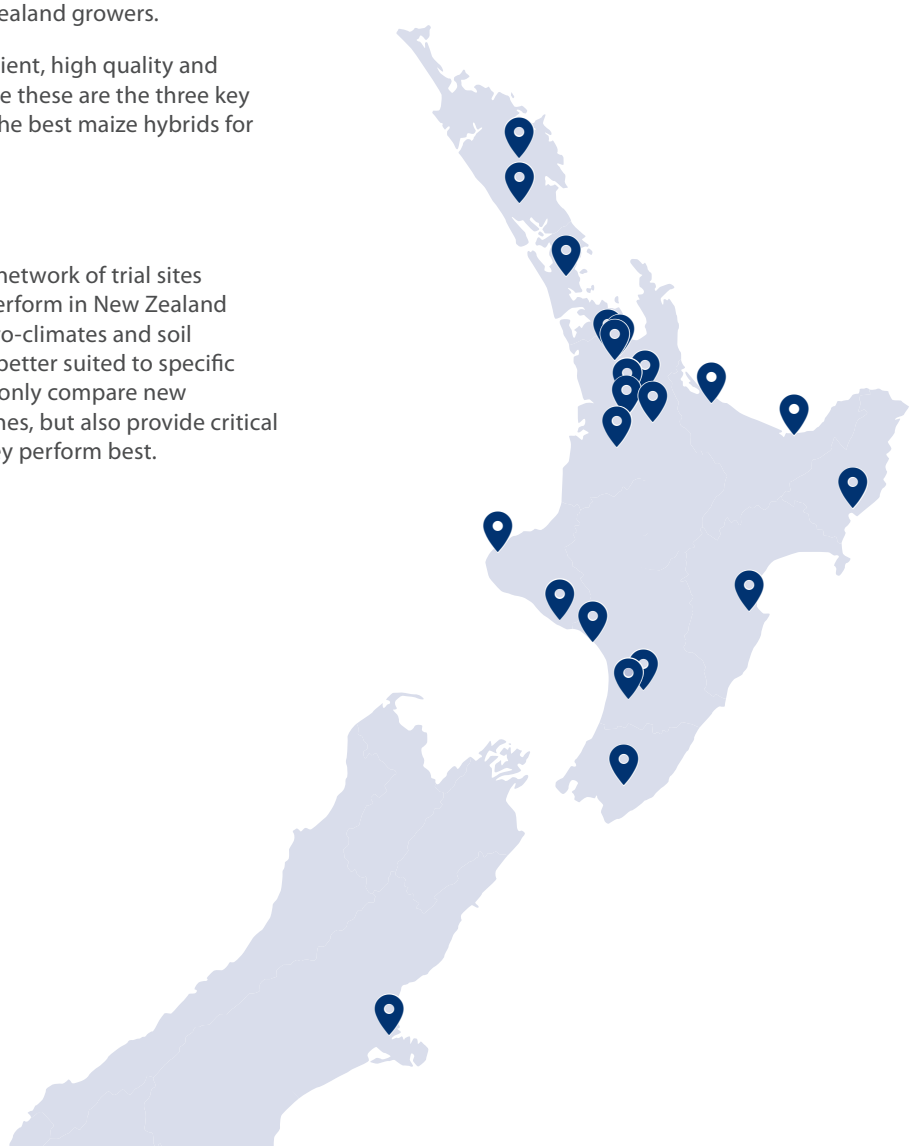
LOCAL KNOWLEDGE

We test our hybrids across a network of trial sites nationwide to ensure they perform in New Zealand conditions. With diverse micro-climates and soil types, some hybrids may be better suited to specific environments. Our trials not only compare new products with our existing ones, but also provide critical information about where they perform best.

By running these trials, we equip our Sales Agronomists and your local rural retailer representative with expert advice on maximising our hybrid performance in your area. With localised insight we can guide you to get the most out of every hybrid.

Get in touch with your local seed rep or our team to see how our hybrids are performing in your area.

TRIAL SITES ACROSS NEW ZEALAND



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ENVIRONMENTAL UPDATE AND EXPERT INSIGHTS

At Corson Maize, our core business is to provide growers with a range of premium hybrids for silage and grain production, and in doing this, we recognise the benefits that maize can provide for New Zealand farmers.

Maize is an important crop for New Zealand farmers, helping enhance feed supply, both for silage and grain, helping manage climatic risk on farms, and supporting ongoing pasture renewal and farm development.

Maize requires high levels of nitrogen and potassium to thrive and can either extract excess nutrients from the soil or reduce potential leaching of these nutrients, protecting our waterways.

Research, including studies by Michigan State University Extension*, highlights maize's unique ability to efficiently utilise carbon dioxide during photosynthesis. This makes it a valuable crop for enhancing soil carbon levels and contributing to carbon sequestration, depending on subsequent cropping and cultivation practices. By integrating maize into farming systems, growers can achieve high yields while enhancing soil health, reducing nutrient runoff, and supporting environmental conservation.

This season, Corson Maize will again offer PERIDIAM Quality 3001 polymer into our seed treatment formulations. The polymer is ground-breaking for the New Zealand maize seed industry because it is free of microplastics, which will have a positive effect on the environment. Polymers are binding agents which play an important role in the application of seed treatment products on seed. Polymers ensure crop protection chemicals stay on the seed, provide better seed coverage, and minimise dusting and abrasion which protects applicators and drilling operators.

By focusing on sustainable practices, Corson Maize continues to ensure that the value maize provides is delivered in an environmentally responsible way.

INSIGHTS FROM OUR CORSON MAIZE GROWERS



"We like their drought tolerance and their staygreen. When you're really under the pump and we've got to do our bread and butter, our customers' work, we know our maize can stand there for another week if it has to."

MIKE REYMER - Contractor, Waikato



"Corson Maize offers great varieties that are consistent and perform well for us. **PAC 344** has been a standout for its bulk and disease resistance - it's been a great run so far."

JASON HOLDEM - Contractor, Taranaki
(Chris Wards - Planter Operator pictured)

* *https://www.canr.msu.edu/news/corn_fields_help_clean_up_and_protect_the_environment*

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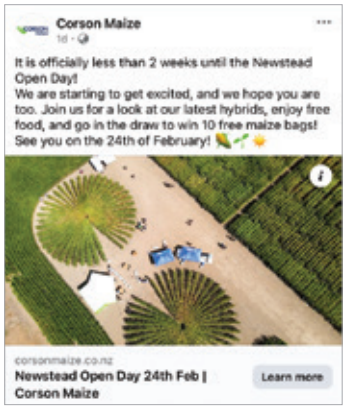
CORSON MAIZE SOCIAL MEDIA

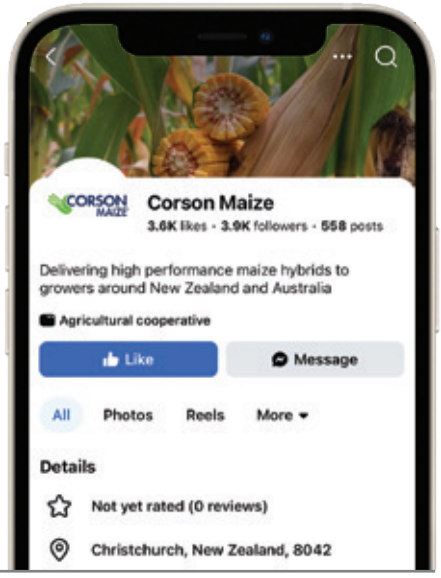
Share your photos and stories with us via social media, as we love hearing them and having the opportunity to link to the wider Corson Maize community.

FACEBOOK - CORSON MAIZE

Check the Corson Maize Facebook page for regular updates, the latest advice and best practice tips from our expert agronomists.







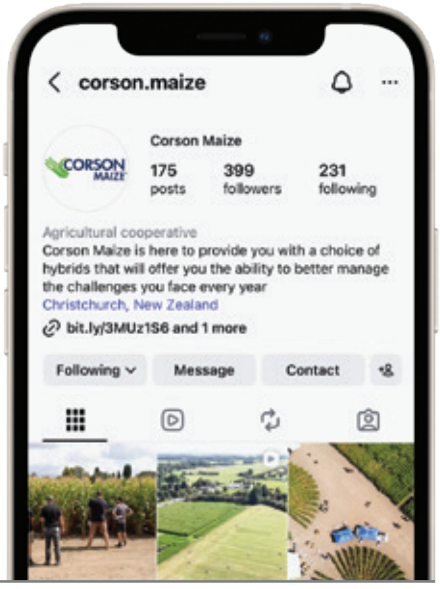
INSTAGRAM - CORSON.MAIZE

Our team are passionate about maize. Follow our Instagram page and stay up-to-date with what's happening in the field. Use **#corsonmaize** to share your photos and stories with us, as we love seeing your maize crops!









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WEBSITE AND PUBLICATIONS

At Corson Maize our aim is to help support every stage of the maize growing process – from hybrid selection through to harvest.

As a result of this focus, we encourage growers, and the retailers who sell our seed, to reach out to one of our passionate and dedicated Sales Agronomists for advice specific to their maize requirements. In addition to our knowledgeable sales team, we have several online resources to provide growers and industry personnel with up-to-date information helping to make better decisions on farm.

WEBSITE - CORSONMAIZE.CO.NZ

An extensive resource for maize growers, people considering their maize-growing options and industry personnel. From the easy-to-follow Corson Maize hybrid selector, standard practices at key milestones of the season, pest, disease, weed identification and much more, it's the go-to resource for maize growers.







CROP SCOUTING GUIDE

In addition to our online resources, we have a Crop Scouting Guide available to help you with checking your crop. You can find this guide by scanning the QR code to the right where you will be able to read and/or download the publication or access our other online resources. Alternatively, you can access **corsonmaize.co.nz** or request a copy from your local Sales Agronomist.



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MAIZE HYBRID SELECTION

Follow our two step decision-making process to help you select a Corson Maize hybrid for optimal performance in your farm system.

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ARIDAPT® MAIZE HYBRIDS

As we navigate the challenges posed by climate change, we continue to place importance on offering hybrids that will support farming operations in progressively unpredictable conditions.

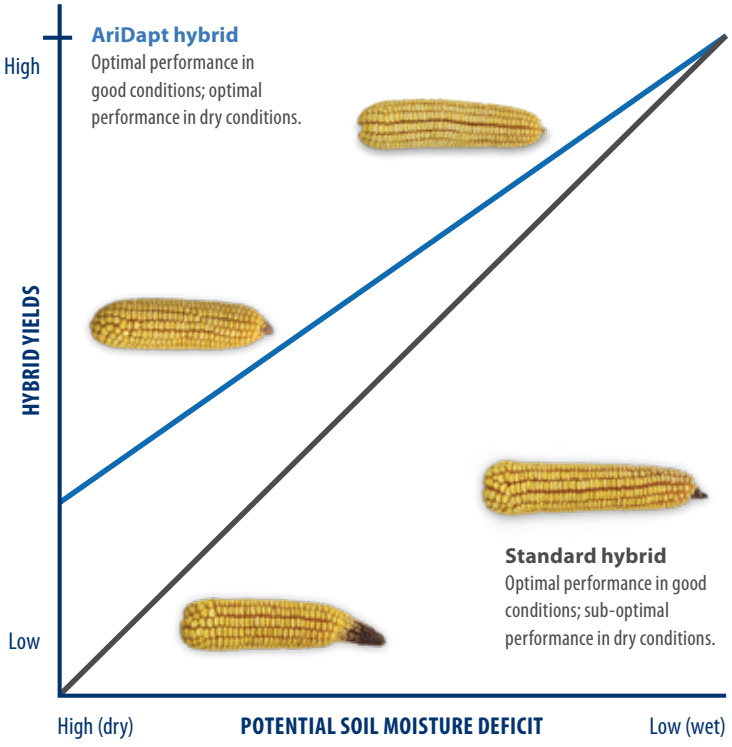
Considering this, it's worth highlighting our moisture deficit, resilient genetic technology: AriDapt. The AriDapt range has built a strong reputation for performing well in drier conditions in New Zealand and producing improved yields compared to many non-AriDapt hybrids. As a result, the AriDapt range is worth considering when selecting your maize hybrid.

BENEFITS OF ARIDAPT

The AriDapt maize hybrids from Corson Maize will provide growers with higher and more consistent grain and dry matter yields in a wider range of conditions compared with other conventional hybrids. **PAC 119**, **PAC 249**, **PAC 298**, **PAC 314** and **PAC 430** are the five Corson Maize hybrids that have the AriDapt technology available this season. All of these hybrids have demonstrated themselves to perform consistently in their respective regions.

CHARACTERISTICS OF ARIDAPT HYBRIDS MAY INCLUDE:

- Strong deep roots that resist rot and premature plant death
- High water-use efficiency
- Well balanced canopies, not excessively leafy
- Strong thick stalks and low ear placement
- Early silking and extended flowering period
- Optimal husk length to ensure timely silk emergence
- Excellent green leaf-area retention (staygreen)
- High grain harvest-index and total biomass (dry matter yield)



Expected performance of AriDapt and standard maize hybrids in optimal and sub-optimal conditions (adapted from Annon *https://www.bayer-agri.fr/informations-agronomiques-et-actualites/par-cultures/mais/grain/mais-dkoptimeau-le-meilleur-de-la-genetique-dekalb-face-aux-stress-climatiques*. In sub-optimal conditions, New Zealand data indicates that the AriDapt range of hybrids from Corson Maize will out-yield standard hybrids by around 7% at 10 t/ha of grain. In terms of silage that would be 7% at 15 tDM/ha.

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MAIZE HYBRID SELECTION PLANNER

SCAN HERE FOR OUR ONLINE MAIZE SEED SELECTOR

Follow our two-step process to find the Corson Maize hybrids suitable for your area and intended planting dates.

STEP 1: PLAN PLANTING AND HARVEST DATES TO IDENTIFY ESTIMATED DAYS BETWEEN PLANTING AND HARVESTING

Determine and record your ideal planting date and ideal harvesting date. Using your ideal planting and harvesting dates, search Table 1 to identify your planned days from planting to harvest.

YOUR PLANTING PLAN:	
IDEAL PLANTING DATE	/ /
IDEAL HARVEST DATE	/ /
DAYS FROM PLANTING TO HARVEST	Days

TABLE 1: DETERMINE THE NUMBER OF DAYS FROM PLANTING THROUGH TO HARVEST

HARVEST DATE \ PLANTING DATE	20 SEP	24 SEP	27 SEP	1 OCT	4 OCT	8 OCT	11 OCT	15 OCT	18 OCT	22 OCT	25 OCT	29 OCT	1 NOV	5 NOV	8 NOV	12 NOV	15 NOV	19 NOV	22 NOV	26 NOV	29 NOV	3 DEC
1 FEB	134	130	127	123	120																	
6 FEB	139	135	132	128	125	121																
11 FEB	144	140	137	133	130	126	123															
16 FEB	149	145	142	138	135	131	128	124	121													
21 FEB	154	150	147	143	140	136	133	129	126	122												
26 FEB	159	155	152	148	145	141	138	134	131	127	124	120										
2 MAR	163	159	156	152	149	145	142	138	135	131	128	124	121									
7 MAR	168	164	161	157	154	150	147	143	140	136	133	129	126	122	119							
12 MAR	173	169	166	162	159	155	152	148	145	141	138	134	131	127	124	120						
17 MAR		174	171	167	164	160	157	153	150	146	143	139	136	132	129	125	122					
22 MAR				172	169	165	162	158	155	151	148	144	141	137	134	130	127	123	120			
27 MAR					174	170	167	163	160	156	153	149	146	142	139	135	132	128	125	121		
1 APR						175	172	168	165	161	158	154	151	147	144	140	137	133	130	126	123	119
6 APR								173	170	166	163	159	156	152	149	145	142	138	135	131	128	124
11 APR									175	171	168	164	161	157	154	150	147	143	140	136	133	129
16 APR										176	173	169	166	162	159	155	152	148	145	141	138	134
21 APR												174	171	167	164	160	157	153	150	146	143	139
26 APR													176	172	169	165	162	158	155	151	148	144
1 MAY														177	174	170	167	163	160	156	153	149

The data displayed in Table 1 on planting date, estimated timing to reach plant maturity and the relative harvest date is derived from our maize research trials. These figures have been compiled using heat unit information and trial data within each broad regional category. A number of factors can influence plant growth and development, hence these recommendations should be used as a guideline only. Contact your local Corson Maize Sales Agronomist for more detailed recommendations. The days from planting to harvest are based on an ordinary year (i.e not a leap year).

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MAIZE SILAGE HYBRID SELECTION PLANNER

STEP 2: IDENTIFY HYBRID OPTIONS

Find your broad growing region below/alongside. Within your growing region identify the hybrids that fit within your days from planting to harvest. This should provide you with a few choices that you can record. These hybrids are further arranged into regional plant maturity categories ranging from very early through to very late options. Compare your options on pages 18-19. Hybrids can then be explored further on pages 24-41 where individual hybrid information is available.

If no options are available for your range of planting to harvest dates in your given growing region, then please return to Step 1 and choose a shorter or longer planting to harvesting range.

POTENTIALLY SUITABLE HYBRID BASED ON AREA AND DATE:	
HYBRID OPTION 1	PAC _ _ _
HYBRID OPTION 2	PAC _ _ _
HYBRID OPTION 3	PAC _ _ _
HYBRID OPTION 4	PAC _ _ _
HYBRID OPTION 5	PAC _ _ _

REGION ONE

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
	PAC 081	115-129	Very Early
	PAC 007	117-131	Very Early
	PAC 119	124 -138	Early
	PAC 144	128-142	Early
	PAC 249	129-143	Early
	PAC 298	129-143	Early
	PAC 295	131-145	Early
	PAC 287	130-149	Early
	PAC 314	134-148	Mid
	PAC 382	134-148	Mid
	PAC 344	135-149	Mid
	PAC 432	137-152	Mid
	PAC 430	141-155	Late
	PAC 492	144-159	Late
NEW	PAC 581	144-158	Late
	PAC 564	147-160	Late
	PAC 624	149-163	Very Late



The data displayed across each of the regions to reach plant maturity is derived from our maize research trials. These figures have been compiled using heat unit information and trial data within each broad regional category. A number of factors can influence plant growth and development, hence these recommendations should be used as a guideline only. Contact your local Corson Maize Sales Agronomist for more detailed recommendations, see contact details on the back cover.

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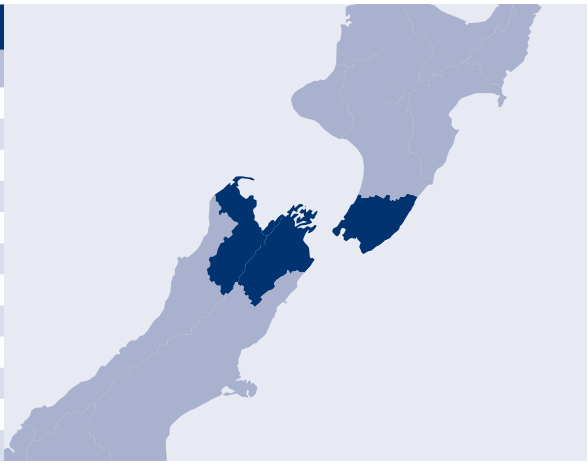
REGION TWO

HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
PAC 081	123-137	Early
PAC 007	125-139	Early
PAC 119	131-145	Mid
PAC 144	135-149	Mid
PAC 249	137-151	Mid
PAC 298	137-151	Mid
PAC 295	139-153	Mid
PAC 287	140-156	Mid
PAC 314	142-156	Mid
PAC 382	142-156	Mid-Late
PAC 344	143-157	Late
PAC 432	145-160	Late
PAC 430	150-166	Very Late
PAC 492	152-170	Very Late



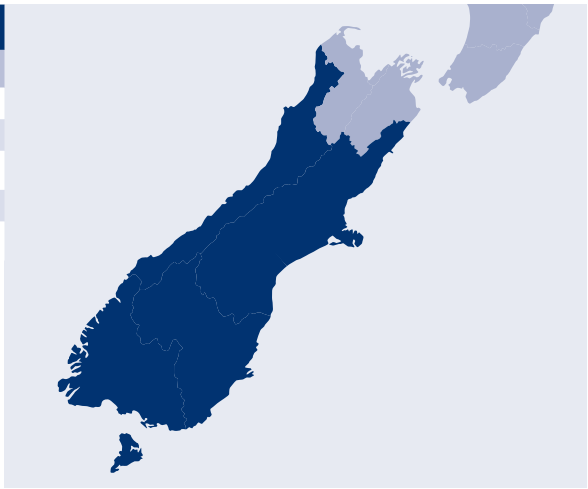
REGION THREE

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
NEW	PAC 011	118-135	Very Early
	PAC 081	128-142	Early
	PAC 007	130-144	Early
	PAC 119	135-149	Mid
	PAC 144	140-154	Late
	PAC 249	140-154	Late
	PAC 298	140-154	Late
	PAC 295	143-157	Late
	PAC 287	146-157	Late
	PAC 314	146-161	Late
	PAC 382	146-161	Late
	PAC 344	147-162	Very Late



REGION FOUR

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
NEW	PAC 011	120-155	Early
	PAC 081	143-163	Mid
	PAC 007	145-165	Mid
	PAC 119	154-174	Late
	PAC 144	160-180	Very Late



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HYBRID TRAITS TABLE

		NEW						
		PAC 011	PAC 081	PAC 007	PAC 119	PAC 144	PAC 249	PAC 298
CROP RELATIVE MATURITY	CRM SILAGE	76	79	81	90	94	95	95
	CRM GRAIN	NA	86	88	90	94	97	98
PLANT TRAITS	HUSK COVER	M	M	L	M	M	M	L
	EAR FLEX	SF	SF	SF	F	F	F	F
	EARLY GROWTH	4	4	5	4	4	3	3
	RELATIVE PLANT HEIGHT	T	T	T	MT	MT	MT	M
	STAYGREEN	3	4	4	5	3	4	3
	ROOT STRENGTH	4	4	4	4	4	3	4
	STALK STRENGTH	4	4	4	5	3	4	4
	DROUGHT TOLERANCE	4	4	4	5	3	5	5
DISEASE RESISTANCE	RUST TOLERANCE	4	3	3	3	4	4	3
	NORTHERN LEAF BLIGHT	2	4	3	4	5	3	4
SILAGE QUALITY TRAITS	WHOLE PLANT DIGESTIBILITY	4	5	4	4	5	5	5
	TOTAL ENERGY	5	4	4	4	4	4	3
GRAIN CHARACTERISTICS	KERNEL TEXTURE	MS	H	H	M	M	M	M
	GRAIN DRYDOWN	NA	3	3	4	4	3	4
	TEST WEIGHT	3	5	5	4	4	4	3
PLANTING POPULATIONS (000/HA)	GRAIN	NA	85-95	90-100	90-100	85-95	85-95	80-95
	SILAGE	90-105	95-105	95-110	95-105	90-100	90-100	85-100

TRAIT RATINGS

1 Poor 2 Below Average 3 Good 4 Very Good 5 Excellent

NA - Not Applicable ID - Insufficient Data

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	PAC 295	PAC 287	PAC 314	PAC 382	PAC 344	PAC 432	PAC 430	PAC 492	NEW PAC 581	PAC 564	PAC 624
	97	98	101	101	102	105	108	109	110	113	115
	100	98	101	101	102	107	108	109	111	115	NA
	M	L	M	M	M	L	L	L	M	M	L
	F	SF	F	F	F	F	F	F	F	F	F
	2	3	3	3	5	3	3	3	3	3	3
	T	MT	MT	MT	M	T	MT	M	T	M	T
	4	4	4	3	5	5	4	4	4	5	4
	4	4	5	4	4	3	5	4	4	4	4
	4	4	4	4	5	5	4	4	4	4	5
	4	4	5	4	4	4	5	4	3	4	4
	4	3	3	3	4	3	3	3	3	3	3
	4	4	4	4	5	5	4	4	4	4	4
	4	5	4	5	4	4	5	4	5	4	4
	5	4	4	4	4	4	5	5	5	4	5
	M	M	M	M	MH	MS	M	H	M	M	MS
	4	4	4	4	4	3	4	4	3	2	NA
	4	3	4	4	4	4	4	5	3	4	NA
	85-95	85-95	85-95	80-95	80-95	85-100	80-95	85-95	80-95	80-95	NA
	90-100	90-100	95-105	90-105	85-100	90-105	85-100	85-100	85-95	85-100	80-90

All evaluations are not comparable to any other companies' evaluations and are based on observations by Corson Maize staff.
For more information on hybrid trait ratings see page 20.

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CORSON MAIZE HYBRID TRAIT DEFINITIONS

The following traits are rated for the respective Corson Maize hybrids. The ratings provided are based on observations by Corson Maize staff and are not comparable to any other companies' ratings. For some hybrids, specific trait ratings are Not Applicable (NA), while for others there is Insufficient Data (ID) to present.

1. **Comparative Relative Maturity (CRM)**
   Rating based on Growing Degree Units (GDU) to silage harvest and harvest moisture relative to other Corson Maize hybrids.

2. **Husk Cover**
   Length of husk extending over the cob. L = Long; M = Medium; S = Short.

3. **Ear Flex**
   F = Flex (Indeterminate ear size) the hybrid has the ability to extend ear length and/or kernel rows when growing conditions allow; SF = Semi flex ear type.

4. **Early Growth**
   Rating of early growth to the 5th collared leaf stage.

5. **Relative Plant Height**
   T = Tall; MT = Medium-tall; M = Medium; S = Short.

6. **Staygreen**
   A measure of late season plant health. A lower score means the plant stover dries down more rapidly as it approaches maturity.

7. **Root Strength**
   Relative resistance to root lodging.

8. **Stalk Strength**
   Relative resistance to stalk breakage/lodging.

9. **Drought Tolerance**
   Ability to withstand dry conditions.

10. **Disease Ratings**
    Please note that these ratings are not absolute. Environmental conditions play a critical role in disease development, which can, in turn, predispose plants to secondary diseases. If conditions are severe, even hybrids rated with excellent resistance can be adversely affected. Growers should balance yield potential, hybrid maturity and cultural practices (crop rotations, crop residue management etc.) against the anticipated risk of disease pressure.

11. **Whole Plant Digestibility**
    Based on digestibility of organic matter. This provides a relative indication of the energy potential of a forage.

12. **Total Energy**
    This takes into account estimated feed energy and yield to give a relative rating for total energy harvested per hectare.

13. **Grain Hardness**
    Based on the amount of energy required and/or the time taken to grind a standard grain sample. Usually measured using a Stenvert Hardness Tester.

14. **Kernel Texture: Endosperm texture**
    H = Hard; MH = Medium hard; M = Medium; MS = Medium soft; S = Soft.

15. **Grain Drydown**
    Relative rate of moisture loss from grain following physiological maturity.

16. **Test Weight**
    Based upon grain test weight (kg/hL) corrected to 14% kernel moisture content.

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RE-PLANT POLICY*

Growing an excellent maize crop requires good planning and following best practice processes, however sometimes failures may occur.

At Corson Maize we will share some of the cost of a failed crop. We will supply replacement maize seed at half price if, within two months of planting, the crop fails and needs to be replanted. This policy allows growers who have had a maize crop fail within two months of planting, after following good planning and best practice farming processes, to purchase replacement maize seed from Corson Maize at half price to re-sow the failed crop.

The maize seed for the failed crop may have been purchased from Corson Maize or any other maize seed company. This Re-plant Policy does not apply to greenfeed or sweetcorn seed and does not include the cost of seed treatment and delivery.

Talk to your Corson Maize Sales Agronomist for further details or visit corsonmaize.co.nz

**Conditions apply – for full Terms of Trade and Terms and Conditions of Corson Maize Seed Re-Plant Policy go to corsonmaize.co.nz*



***PAC 344** from above at Tainui Group Holdings Ruakura, Waikato. Photographer: Fraser Dymond (Corson Maize Calendar Competition - place winner)*

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SILAGE AND GRAIN MAIZE HYBRIDS

A comprehensive range of maize hybrids suitable for delivering ultimate flexibility in harvest options for farmers and contractors.

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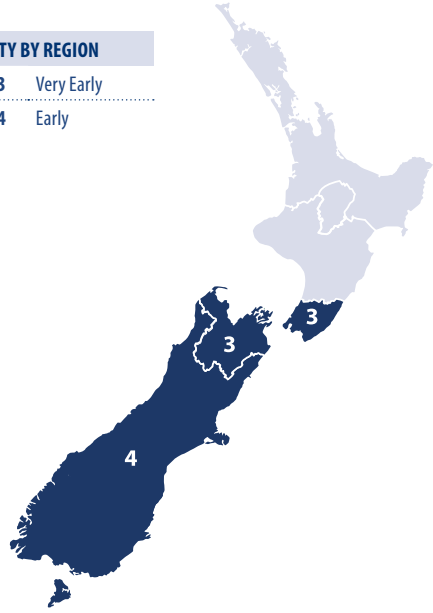
PAC 011

SILAGE CRM 76

HYBRID TRAITS	
Early Growth	★★★★
Drought Tolerance	★★★★
Staygreen	★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★★
Northern Leaf Blight	★★
Grain Drydown	NA

PLANTING POPULATIONS (000/HA)	
Silage	90-105

MATURITY BY REGION	
REGION 3	Very Early
REGION 4	Early



PAC 011 is a tall, leafy, imposing hybrid suitable for use in the Lower North Island and South Island as a very early to early maturing silage option.

PAC 011 has an impressive yield potential, a strong leafy/bulky nature with large ears protected by strong husks. Its height and bulk is also well supported with above average stalk and root strength.

With large, well filled ears **PAC 011** can produce great quality silage with a high grain/stover ratio.

PAC 011 is bred by KWS.

- **Early maturing option for the majority of the South Island**
- **Tall, leafy with long ears**
- **Very high yield potential for its maturity**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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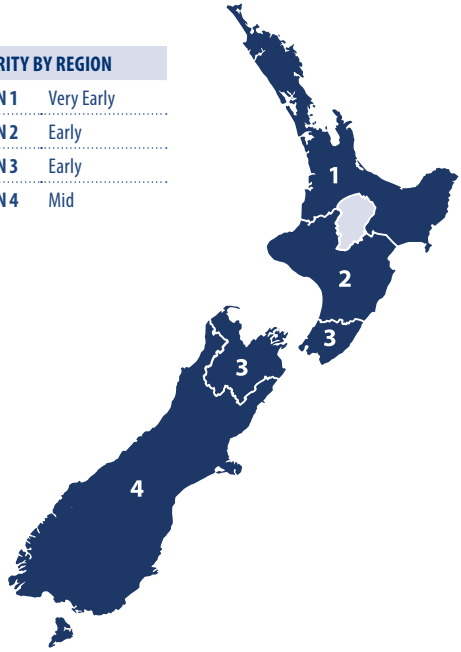
PAC 081

SILAGE CRM 79 / GRAIN CRM 86

HYBRID TRAITS	
Early Growth	★★★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	95-105

MATURITY BY REGION	
REGION 1	Very Early
REGION 2	Early
REGION 3	Early
REGION 4	Mid



PAC 081 is a tall, attractive hybrid suitable for use in maize growing regions of the upper South Island and North Island as an early to very early maturing maize hybrid.

PAC 081 is a bulky, high yielding hybrid, with outstanding performance for this maturity.

PAC 081 has excellent yield stability, with great standability and yield potential. **PAC 081** is a dual-purpose hybrid, producing consistently high grain yields across the main maize growing regions in the country.

PAC 081 is bred by KWS.

- **Very early maturing dual-purpose hybrid in the upper North Island**
- **High silage yield with reliable grain content for this maturity**
- **Excellent test weight grain suitable for food grade markets**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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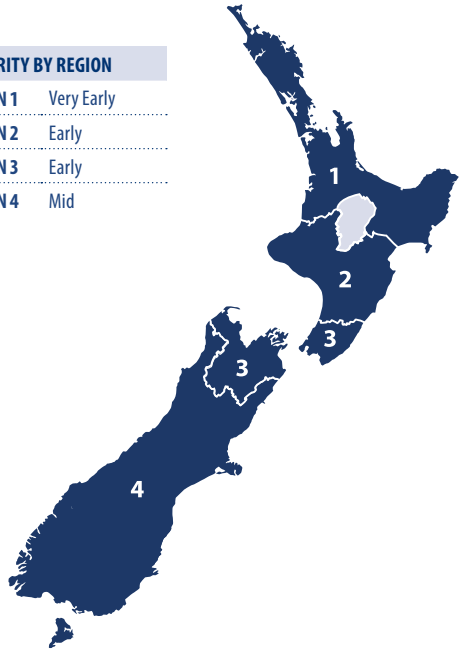
PAC 007

SILAGE CRM 81 / GRAIN CRM 88

HYBRID TRAITS	
Early Growth	★★★★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★
Grain Drydown	★★★

PLANTING POPULATIONS (000/HA)	
Grain	90-100
Silage	95-110

MATURITY BY REGION	
REGION 1	Very Early
REGION 2	Early
REGION 3	Early
REGION 4	Mid



PAC 007 is a very early to early dual-purpose hybrid, suitable the upper South Island and North Island and other regions where an exceptionally high yielding, early maturing maize hybrid is desired. From its excellent early growth, it develops into a large, bulky plant with a solid, girthy ear. Very good standability, and good late season plant health optimise **PAC 007**'s yield stability providing a solid platform for silage and grain growers.

The large size and hard, flinty nature of its kernels make **PAC 007** relatively slower to grain harvest maturity compared to silage maturity. Still, the high yield potential and consistency combined with a very good agronomic profile make **PAC 007** the hybrid of choice in the "very early" maize market.

PAC 007 is bred by KWS.

- **Very early maturity dual-purpose hybrid in the upper North Island**
- **Excellent yield stability**
- **Large bulky plant with excellent early growth**
- **Very good stalk and root strength**
- **Well filled, girthy ears packed with large, high test weight kernels**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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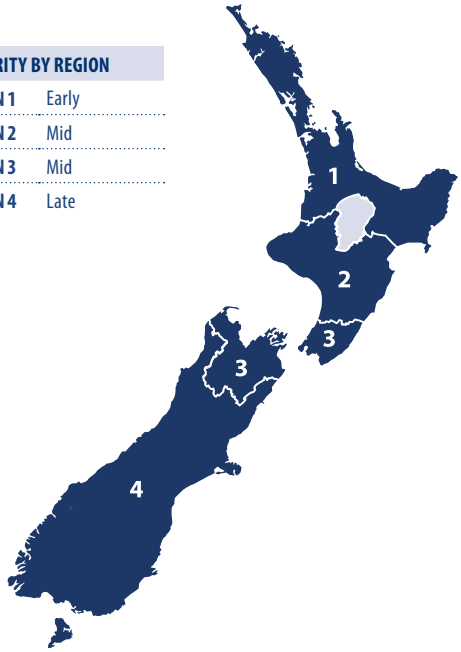
PAC 119

SILAGE CRM 90 / GRAIN CRM 90

HYBRID TRAITS	
Early Growth	★★★★
Drought Tolerance	★★★★★
Staygreen	★★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	90-100
Silage	95-105

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Mid
REGION 4	Late



PAC 119 is a high yielding, genuine dual-purpose option for use in all the main maize growing areas of New Zealand. Whether used as an early option in the upper North Island or a late option in the mid Canterbury region, **PAC 119** has the required attributes to deliver optimal results.

- **Well balanced medium-tall plant with very good standability**
- **Very good Northern Leaf Blight tolerance and excellent stalk strength**
- **Excellent drought tolerance and staygreen**
- **AriDapt® drought ready technology ensures reliable results across environments and seasons**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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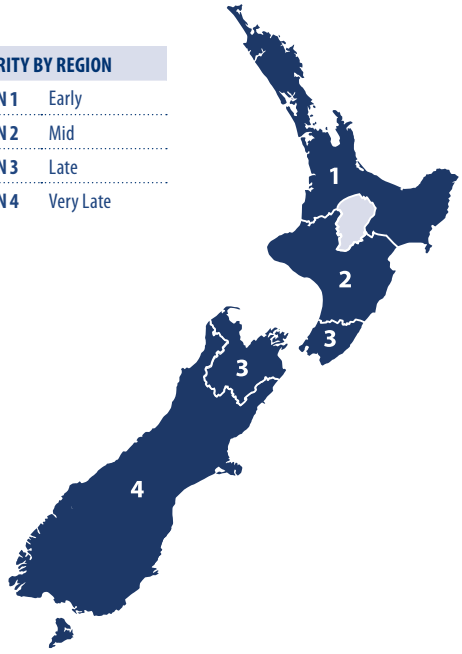
PAC 144

SILAGE CRM 94 / GRAIN CRM 94

HYBRID TRAITS	
Early Growth	★★★★
Drought Tolerance	★★★
Staygreen	★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★
Stalk Strength	★★★
Root Strength	★★★★
Rust Tolerance	★★★★
Northern Leaf Blight	★★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	90-100

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Late
REGION 4	Very Late



A medium-tall plant with good bulk and very good early growth. **PAC 144** performs at its best on good ground, where it will reliably produce long, girthy, uniform cobs packed with large medium textured grain of excellent quality. Staygreen is good, and husk cover and root strength are very good.

A strong leaf disease package protects against common rust and Northern Leaf Blight, providing a reliable and high yielding early-mid maturity option desirable for silage and grain growers throughout the majority of the North Island.

- **Medium-tall plant with very good early growth**
- **Long, girthy cobs with very good husk cover**
- **Very good disease package**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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PAC 249

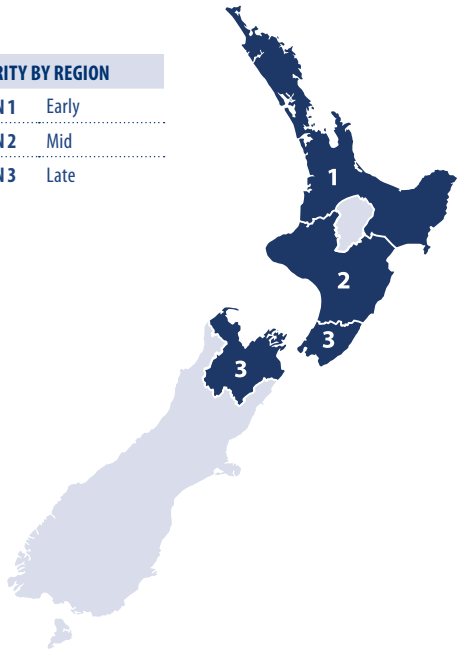
SILAGE CRM 95 / GRAIN CRM 97

AriDapt® DROUGHT READY MAIZE

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★
Rust Tolerance	★★★★
Northern Leaf Blight	★★★
Grain Drydown	★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	90-100

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Late



PAC 249 is a reliable, high performing, dual-purpose hybrid that delivers optimal yields of silage and grain across a wide range of environments and soil types. It is a medium-tall hybrid with very good staygreen and plant bulk.

Cobs are large and well filled with good sized kernels producing silage rich in grain. **PAC 249** performs particularly well on light soils, recognised as a hardy hybrid capable of outperforming hybrids in the 100-104 CRM maturity bracket.

- **Mid-season dual-purpose hybrid for central regions**
- **AriDapt® drought ready technology ensures reliable results across environments and seasons**
- **Performs well at lower planting rates**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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PAC 298

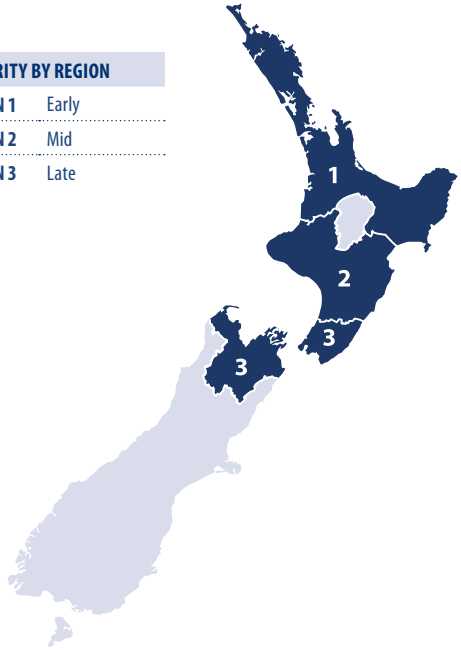
SILAGE CRM 95 / GRAIN CRM 98

AriDapt® DROUGHT READY MAIZE

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★★
Staygreen	★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	85-100

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Late



PAC 298 is a reliable and robust hybrid, well suited to the North Island silage and grain markets.

PAC 298 provides a stable yield even in very challenging environments, and its strong ear flex adapts well to low populations.

- **Reliable and robust dual-purpose hybrid**
- **Strong agronomic package with excellent drought tolerance**
- **Excellent grain yields for its maturity**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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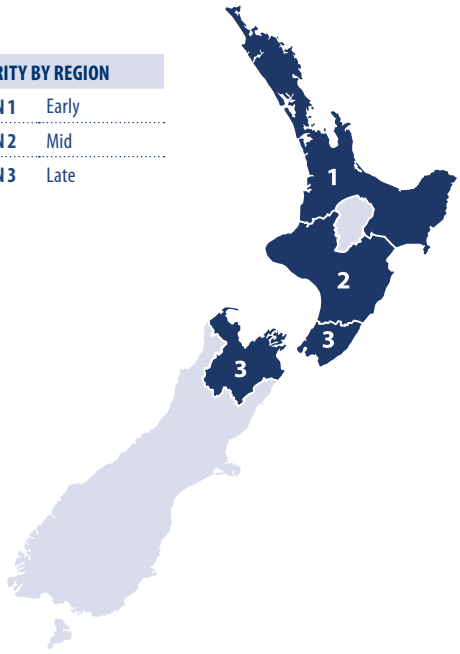
PAC 295

SILAGE CRM 97 / GRAIN CRM 100

HYBRID TRAITS	
Early Growth	★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	90-100

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Late



While primarily targeted at the silage market, **PAC 295** can also be taken through for grain with confidence. This hybrid is characterised by a tall plant and a large flex ear, giving it excellent silage yields with high grain content. It has a sound agronomic package including very good stalk strength and drought tolerance.

PAC 295 is an exciting option for silage growers in the southern North Island as a mid-maturity hybrid, or in the northern North Island regions as an early maturity option.

- **Early to mid-maturity silage hybrid for most North Island regions**
- **Tall plant with high grain content**
- **Excellent silage and grain yields**

Key:
★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data
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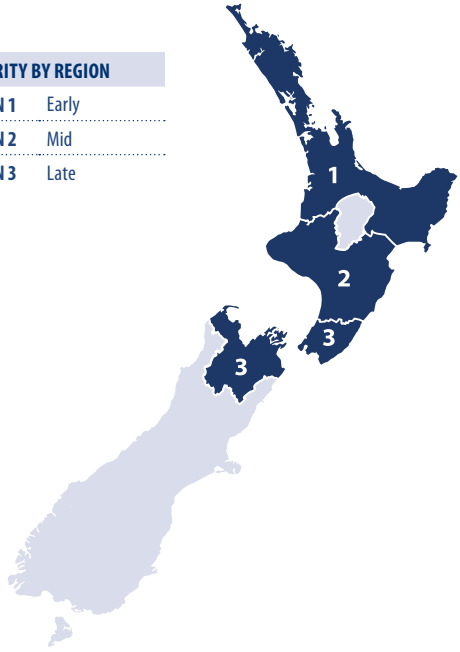
PAC 287

SILAGE CRM 98 / GRAIN CRM 98

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	90-100

MATURITY BY REGION	
REGION 1	Early
REGION 2	Mid
REGION 3	Late



PAC 287 is a medium-tall, imposing, and impressive hybrid with very good staygreen.

PAC 287 produces excellent yields for its maturity and shows excellent yield stability across a range of environments.

- **Medium-tall, leafy, imposing hybrid**
- **Impressive silage and grain yields for its maturity**
- **Very good staygreen and standability**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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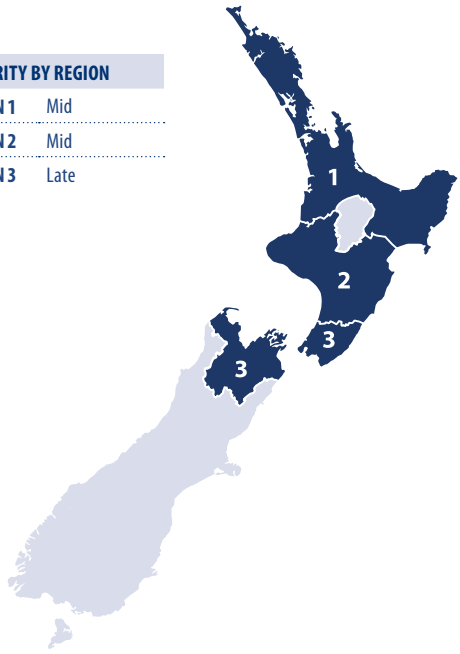
PAC 314

SILAGE CRM 101 / GRAIN CRM 101

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	95-105

MATURITY BY REGION	
REGION 1	Mid
REGION 2	Mid
REGION 3	Late



PAC 314 is an attractive, medium-tall plant with good early growth, and excellent drought tolerance, and adaptability.

The broad semi-erect leaves and nice thick stalks of **PAC 314** provide good bulk for silage. Dent-type grain quality is very good and will be readily accepted by grain buyers and feed mills. Excellent grain and silage results to date put this hybrid at or near the head of the pack, regardless of maturity or soil type.

- **Mid season dual-purpose hybrid for most North Island regions**
- **Medium-tall, well-structured plant with plenty of eye-appeal**
- **AriDapt® drought ready technology ensures reliable results across environments and seasons**

Key:
★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data
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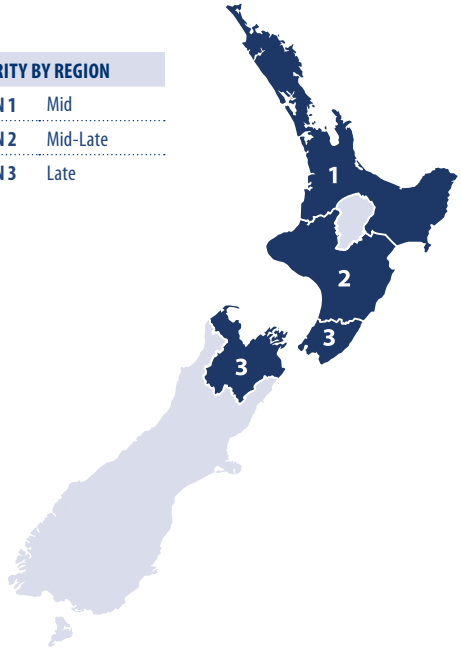
PAC 382

SILAGE CRM 101 / GRAIN CRM 101

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	90-105

MATURITY BY REGION	
REGION 1	Mid
REGION 2	Mid-Late
REGION 3	Late



PAC 382 is a medium-tall hybrid, with a great structure and large well-filled ears. With a broad agronomic package, **PAC 382** is suitable for use for both silage and grain in all maize growing areas of the North Island and upper South Island.

PAC 382 is a consistent performer, providing stable silage and grain yields across multiple growing environments. With its good husk cover and ear placement, **PAC 382** is a great hybrid to introduce into your silage or grain system alongside hybrids of a similar CRM.

- **Medium-tall, attractive hybrid with a well-structured canopy**
- **Impressive grain and silage yields partnered with a strong agronomic package**
- **Consistent performer across a wide range of environments**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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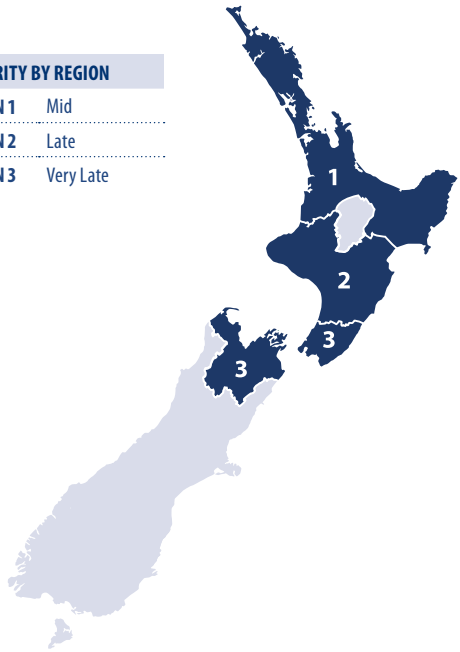
PAC 344

SILAGE CRM 102 / GRAIN CRM 102

HYBRID TRAITS	
Early Growth	★★★★★
Drought Tolerance	★★★★
Staygreen	★★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★★
Root Strength	★★★★
Rust Tolerance	★★★★
Northern Leaf Blight	★★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	85-100

MATURITY BY REGION	
REGION 1	Mid
REGION 2	Late
REGION 3	Very Late



PAC 344 is an exceptionally fast and strong starting hybrid. It maintains this advantage throughout the season with excellent staygreen, Northern Leaf Blight resistance, very good rust tolerance, and finishing ability.

PAC 344 shows excellent early growth, uniformity and vegetative growth. Drought tolerance is very good but can be improved by lowering plant population density. Grain quality is very good.

- **Mid-full season dual-purpose hybrid for central and upper North Island regions**
- **Unique, medium height, compact plant with thick stalks and very broad leaves**
- **Excellent stalk strength, ear-rot and Northern Leaf Blight profiles**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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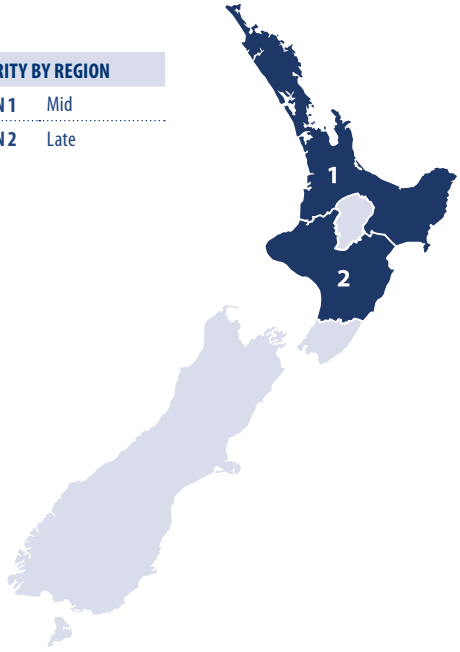
PAC 432

SILAGE CRM 105 / GRAIN CRM 107

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★★
Root Strength	★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★★
Grain Drydown	★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-100
Silage	90-105

MATURITY BY REGION	
REGION 1	Mid
REGION 2	Late



PAC 432 is a tall but well balanced plant with large consistent ears, set at a low to medium height. Early growth is typically slow, but growth increases during the vegetative period, resulting in a very strong and robust plant. Kernel type is medium-soft (semi dent) and kernel size is above average. Very good drought/ stress tolerance, excellent stalk strength, and staygreen create a solid platform for both silage and grain growers. Trial results to date put this hybrid reliably among the top performers in this very competitive maturity group.

- **Tall but well balanced hybrid**
- **Large uniform ears, typically 18 kernels around, with large kernels**
- **Very good drought and stress tolerance**
- **Excellent stalk strength and Northern Leaf Blight resistance**
- **Excellent staygreen and late season plant health**

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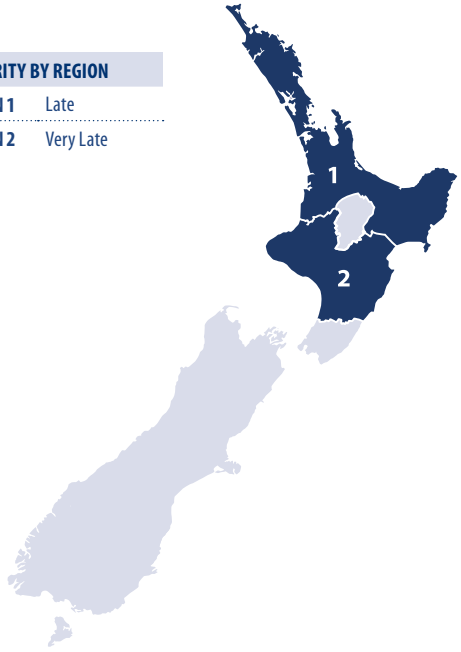
PAC 430

SILAGE CRM 108 / GRAIN CRM 108

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★★
Stalk Strength	★★★★
Root Strength	★★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	85-100

MATURITY BY REGION	
REGION 1	Late
REGION 2	Very Late



PAC 430 is a robust, medium-tall plant with broad leaves. This hybrid is consistently among the top performing hybrids for grain production trials.

Very good staygreen, and a nice low ear height, combined with its very good stalk and excellent root strength, means **PAC 430** stands very strongly.

- **Medium-tall plant**
- **AriDapt® drought ready technology ensures reliable results across environments and seasons**
- **Well balanced canopy provides good bulk, with long girthy ears, typically 18 kernels around**
- **Excellent grain quality, very good staygreen and standability**
- **Finishes strongly owing to its excellent drought tolerance and very good late season plant health**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

All evaluations are not comparable to any other companies' evaluations and are based on observations by Corson Maize staff.

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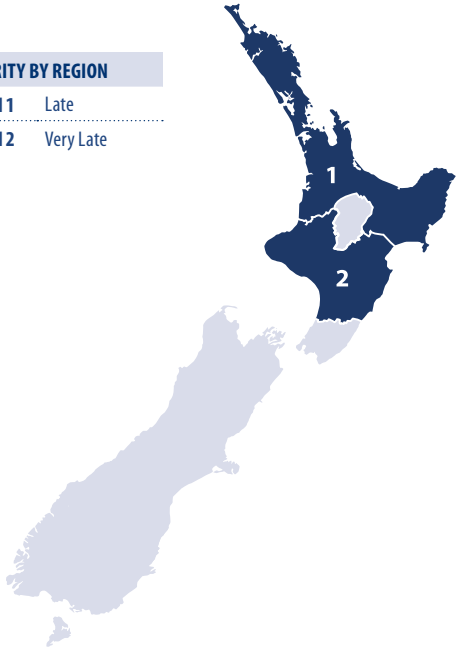
PAC 492

SILAGE CRM 109 / GRAIN CRM 109

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★★

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	85-100

MATURITY BY REGION	
REGION 1	Late
REGION 2	Very Late



PAC 492 is a fine, medium height hybrid, producing excellent quality, flinty grain.

PAC 492 has a strong agronomic package providing stability and reliability in many environments.

PAC 492 has been accepted as a milling grade grain hybrid.

- **Robust dual-purpose hybrid**
- **Strong grain performer with flinty, food grade grain**
- **Strong agronomic package with reliable performance**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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PAC 581

SILAGE CRM 110 / GRAIN CRM 111

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★★
Total Energy	★★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	85-95

MATURITY BY REGION

REGION 1 Late



PAC 581 is a tall, leafy hybrid with good ear placement and eye appeal. With large well-filled ears and a bulky/leafy stature **PAC 581** produces impressive yields of quality maize silage.

PAC 581 is a strong, resilient hybrid adapting well to multiple environments.

With its impressive yields and stability, **PAC 581** is suited to both contract maize growers and platform growers.

- **Tall, bulky hybrid**
- **Attractive, leafy with large well-filled ears**
- **Relatively low ear-set for its height**
- **Impressive yields of great quality silage**

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PAC 564

SILAGE CRM 113 / GRAIN CRM 115

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★
Stalk Strength	★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	★★

PLANTING POPULATIONS (000/HA)	
Grain	80-95
Silage	85-100

MATURITY BY REGION

REGION 1 Late



PAC 564 is a unique medium, bulky hybrid in this ultra-full season bracket dominated by tall plants.

PAC 564 has shown itself to be much more resilient, adaptable, and resistant to lodging than all other hybrids tested in this bracket. It has very good drought and Northern Leaf Blight tolerance and responds well to higher planting rates whilst still performing well at lower rates.

- **Bulky, medium height plant**
- **Exceptionally high and stable yields**
- **Excellent cob size and uniformity**
- **Thick stalks, strong roots, and low ear placement with very good lodging resistance**

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PAC 624

SILAGE CRM 115

HYBRID TRAITS	
Early Growth	★★★
Drought Tolerance	★★★★
Staygreen	★★★★
Whole Plant Digestibility	★★★★
Total Energy	★★★★★
Stalk Strength	★★★★★
Root Strength	★★★★
Rust Tolerance	★★★
Northern Leaf Blight	★★★★
Grain Drydown	NA

PLANTING POPULATIONS (000/HA)	
Silage	80-90

MATURITY BY REGION

REGION 1 Very Late



PAC 624 is a purpose-bred silage hybrid for early plant situations in the warmer northern regions and is firmly positioned as a market leader in this ultra-long maturity group. Large girthy cobs packed with medium soft, starchy grain combined with very good digestibility ensures silage of excellent quality is produced.

The hybrid has good standability, however the sheer size of the plants means that it can become overcrowded at high planting rates, increasing cob height and reducing standability and cob tip fill. For this reason, we recommend lower than usual planting rates that will still produce very high yields.

- **Ultra-full season silage hybrid for Northland, Waikato and the Bay of Plenty**
- **Large cobs typically 20 kernels around the cob**
- **Very good staygreen with a long grain fill period**

Key:

★ Poor ★★ Below Average ★★★ Good ★★★★ Very Good ★★★★★ Excellent **NA** - Not Applicable **ID** - Insufficient Data

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MAIZE SEED TREATMENT

An overview of maize seed treatment options to provide plant protection and maximise growth of your crop during seedling establishment.

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MAIZE SEED TREATMENT

The application of seed treatment to maize seed is an important step to provide plant protection and growth enhancement benefits during the seedling establishment period.

The first four to six weeks after sowing is a critical period in the life of a new plant. Sowing treated seed provides protection during the germination and establishment stages when emerging seedlings are most vulnerable to attack from invasive insect pests and disease pathogens.

Seed treatment can improve seed germination, seedling emergence, plant vigour, crop establishment and total yield, helping to ensure the maize crop is on its way to reaching its full genetic potential.

All hybrids in the Corson Maize portfolio can be treated with industry-leading plant protection agents including Poncho® Votivo® and Vitaflo®. Both products have a registration for maize seed treatment, with proven efficacy against insect pests and diseases in New Zealand.

BENEFITS OF SEED TREATMENT:

- Provides highly targeted protection against economically damaging insect pests and diseases during the plant establishment period, helping maximise seedling emergence, early plant development and crop yield.
- Minimises costly re-plants and lost production, protecting the maize seed investment.
- Reduced environmental impact due to very small quantities of chemical active ingredients being applied to the seed.
- With pesticides pre-applied, seed treatment products are recognised for their ease of use and safety profile, provided the appropriate handling procedures are adopted.



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SEEDLING PROTECTION

The application of crop protection products such as insecticide, fungicide and a bird deterrent to seed provides a targeted and cost-effective method of protecting maize seed.

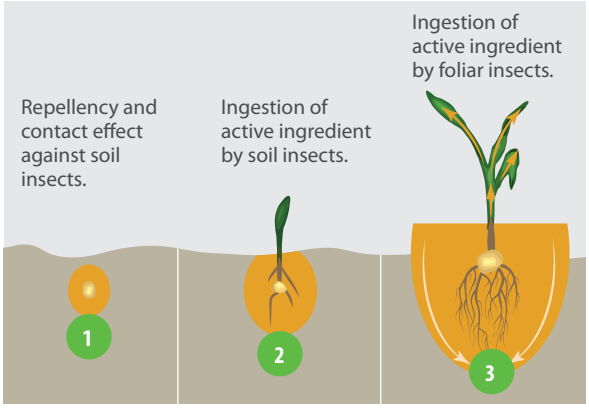
INSECTICIDE

Poncho® Votivo® is a seed treatment combination providing both synthetic and biological control of target pests. Poncho is the industry-leading seed-applied insecticide and includes the active ingredient clothiandin. Through its systemic mode of action and increased spectrum, Poncho provides a high level of protection against early crop pests for up to six weeks after sowing. Votivo *(Bacillus firmus L -1582)* is a world-leading biological seed treatment, providing suppression against root feeding soil nematodes and improved plant health.

Poncho Votivo protects against:

- ✓ Argentine Stem Weevil (adults and larvae)
- ✓ Black Beetle (adults)
- ✓ Greasy Cutworm (larvae)
- ✓ Soil Nematodes

How systemic insecticides work



1. Active ingredient is released after seed is planted forming a protective barrier around the seed.
2. Plant absorbs active ingredient through the roots.
3. Active ingredient is transported to developing foliage and is uniformly distributed in plant tissues.

FUNGICIDE

Vitaflo® is a broad-spectrum, dual-action fungicide (systemic and contact) that controls seed and soil-borne diseases while also acting as a plant growth stimulant. Used globally as a specialised seed treatment, it provides effective disease control both externally and within seedlings during plant establishment.

Vitaflo combines thiram and carboxin, two internationally recognised seed protection fungicides. Thiram forms a protective barrier against external seed and soil-borne diseases including fusarium, while carboxin, a patented growth stimulant, penetrates the seed coat to control internal diseases, providing systemic protection against head smut during seedling development.

Poncho Votivo and Vitaflo are recommended as the standard treatment to all hybrids in the Corson Maize portfolio.

PERIDIAM® QUALITY 3001

All maize seed treated by Corson Maize now includes PERIDIAM® Quality 3001 polymer - **a microplastic-free**, red seed coating delivering the highest standards in seed coating. In addition to the environmental benefits, PERIDIAM® Quality 3001 provides a strong seed treatment delivery system with excellent plantability through superior seed flow, excellent resistance to abrasion and low dust emissions.

BIRD REPELLENT

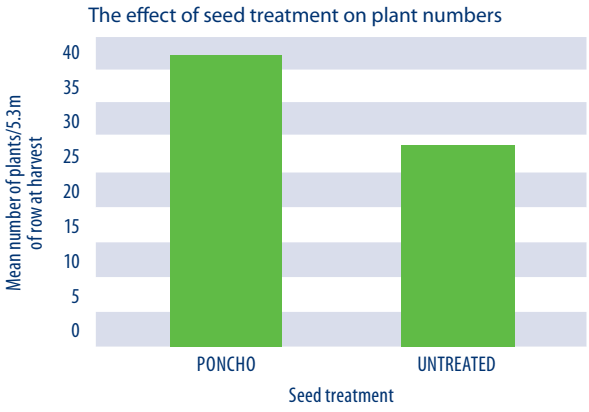
Avipel® contains a naturally occurring organic substance which acts as a bird deterrent. When birds consume seeds treated with Avipel they experience an unpleasant but harmless gut reaction which they associate with the location. Birds quickly learn to avoid Avipel treated seeds and look to forage for other food sources.

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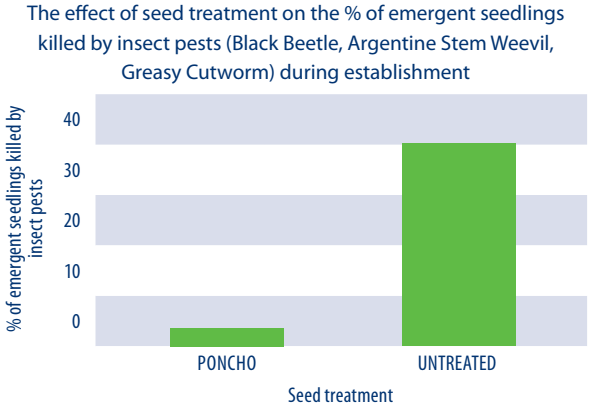
MAIZE TRIAL RESULTS

The following data was collected from a replicated field trial carried out by AgResearch in the Waikato region. The trial measured the effect of Poncho® seed treatment on insect pests, plant numbers and crop yield in the first six weeks of maize seedling establishment.

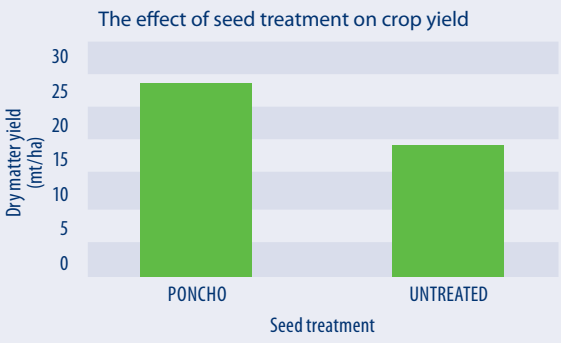
PLANT NUMBERS



INSECT EFFICACY



CROP YIELD



CROP YIELD & FEED VALUE

	PONCHO TREATED SEED	UNTREATED SEED
Crop Yield (kgDM/ha)	24,600	17,110
Feed Value/ha	$6,642	$4,620

Yield data extracted from AgResearch field trial in 1999/2000.

NET FINANCIAL BENEFIT OF USING PONCHO SEED TREATMENT

The application of Poncho in the above trial produced an additional 7,490 kg of DM/ha over and above untreated seed, providing a net financial benefit of $1,862/ha

***Assumptions:**

- Maize silage valued at $0.27/kgDM
- Maize seed sown at 100,000 seeds/ha
- Estimated retail cost of the Poncho treatment is $160/ha (plus GST)

**Based on an estimate of 2026 industry pricing.*

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PRODUCT SAFETY

The seed treating process undertaken by Corson Maize ensures all seed treatment products are applied with a high degree of accuracy to every seed in order to maximise the plant protection benefits.

Our seed treatment polymer minimises any 'dust off', protecting the environment and ensuring the safety of seed planting operators. The polymer has also shown superior performance in terms of flowability of treated maize seed through drills.

When handling treated maize seed, it is important to wear protective clothing including gloves and a mask, as well as washing hands and any exposed skin prior to meals.

Treated seed should be kept out of reach of children, livestock and birds.

Store treated seed in a cool, dry environment away from direct sunlight.

Always refer to the seed treatment supplier label on maize hybrid bags for safety information before use or handling. Contact the respective seed treatment manufacturer on the hybrid bag label for any enquiries about seed treatment and additional product safety information.

Poncho Votivo is a registered trademark of BASF and is registered pursuant to the ACVM Act 1997. Vitaflo is a registered trademark of MacDermid Agricultural Solutions Ltd., is registered pursuant to the ACVM Act 1997, No. P2694 and is approved pursuant to the HSNO Act 1996, Approval Code HSR000476.

For untreated seed options (for organic use) contact your local Corson Maize Sales Agronomist.



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