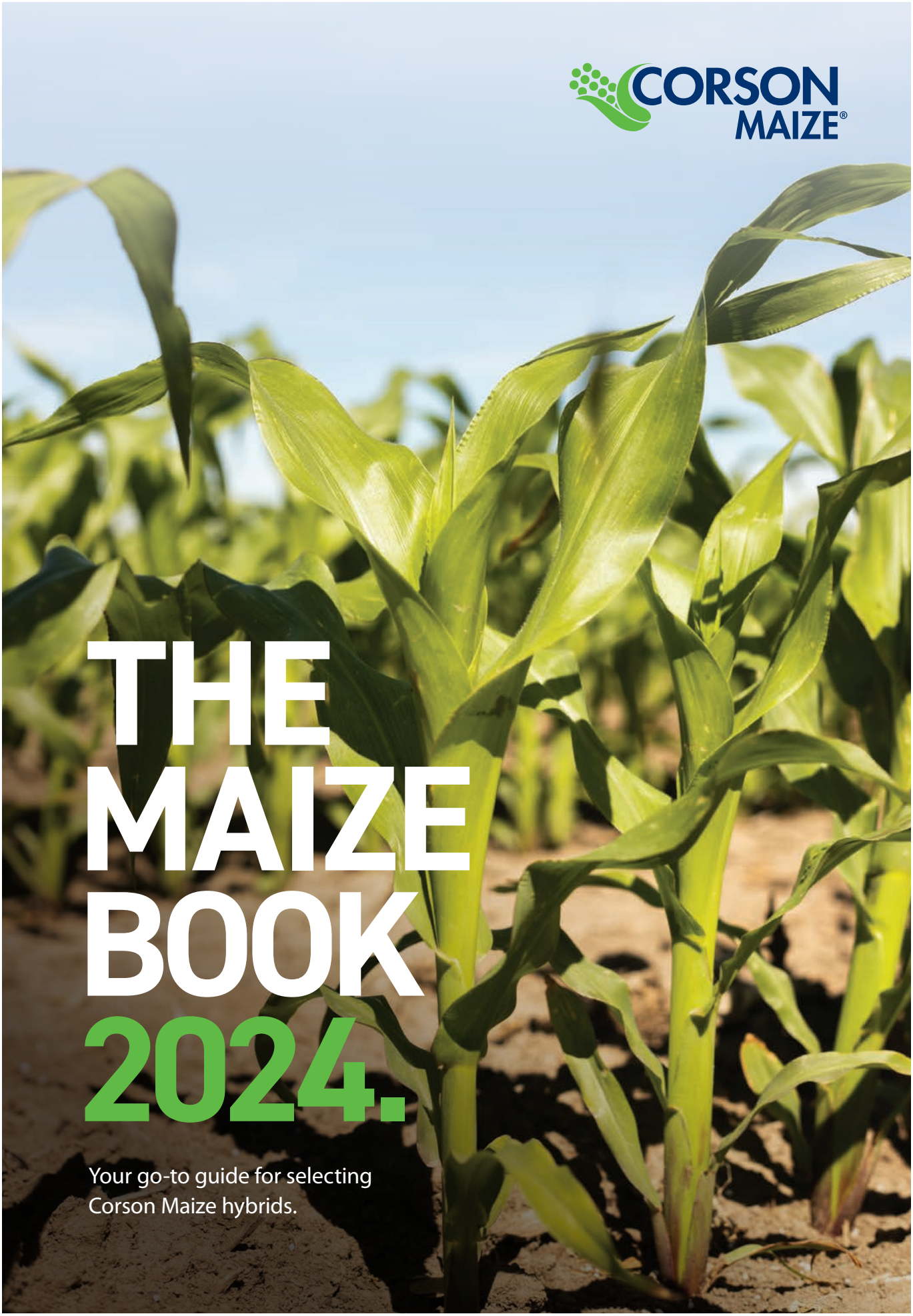

CORSON
MAIZE®
THE
MAIZE
BOOK
2024.
Your go-to guide for selecting
Corson Maize hybrids.

New hybrids cropping up at Corson Maize...

PAC 298 NEW

SILAGE CRM 95 / GRAIN CRM 98

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

PAC 287 NEW

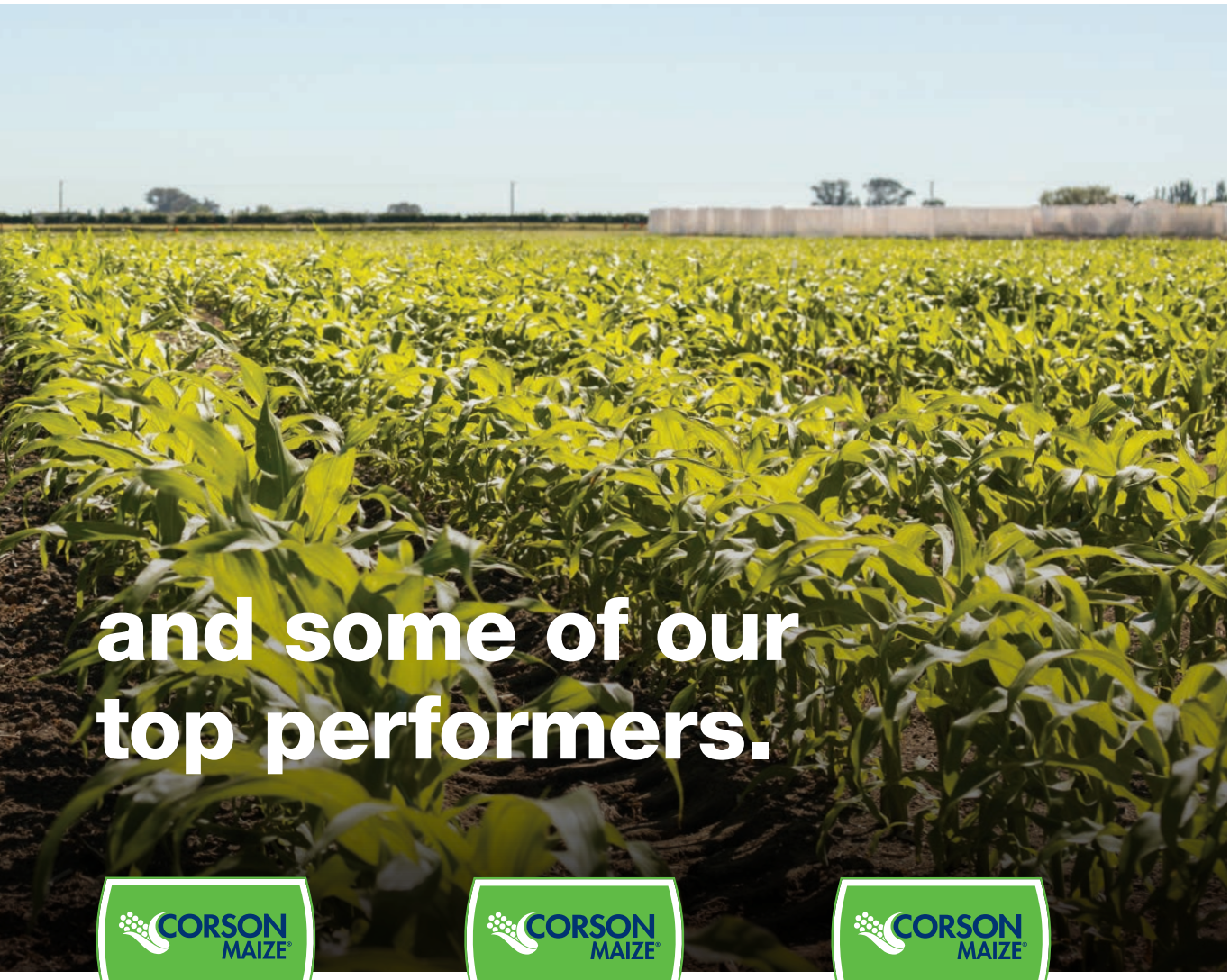
SILAGE CRM 98 / GRAIN CRM 98

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

PAC 492 NEW

SILAGE CRM 109 / GRAIN CRM 109

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



and some of our top performers.

CORSON MAIZE® PAC 007 (Booster)

CORSON MAIZE® PAC 314

CORSON MAIZE® PAC 624

PAC 007 (Booster)

SILAGE CRM 81 / GRAIN CRM 88

- Very early maturity dual purpose hybrid
- Excellent yield stability
- Large bulky plant with excellent early growth
- Very good stalk and root strength
- Girthy well filled ears packed with large excellent test weight kernels

PAC 314

SILAGE CRM 101 / GRAIN CRM 101

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

PAC 624

SILAGE CRM 115

- 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

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

THE MAIZE BOOK 2024.

INTRODUCTION

Welcome to The Maize Book for 2024.

This year's edition contains a range of hybrids including some impressive new releases along with hybrids already well known to the market. Many years of testing and trialling have gone into the development of the hybrids presented to you in this book and the team at Corson Maize are very excited about the line-up we have for you this season.

I am pleased to announce the commercial release of three exciting new dual-purpose hybrids this season which we know will be well received by you. We continue to focus on hybrids that will perform in the most trying conditions and our new releases are no exception in meeting that benchmark. We expect our new hybrids to perform well when faced with environmental, pest and disease challenges, providing many of you with excellent options for your farm and conditions.

Most of our seed is grown in Gisborne and the Wairarapa, which is sent for seed processing and storage to our newly completed Gisborne facility. This is the final part of a five-year development that enables us to deliver top-quality seed and meet the increase in demand that we are experiencing in New Zealand.

Usually, the growing conditions in Gisborne are ideal for quality maize seed production; however, like many of you in 2023, we faced adverse weather conditions. This significantly impacted both our business and some of our seed growers' businesses. As you can imagine, this has been a particularly difficult time contending with the constant changes in weather over the past 18 months. Our thoughts continue to go out to those who have been heavily impacted by these weather events.

Producing seed for New Zealand growers is only part of our business in Gisborne. The new facility, alongside our expert production team, has improved our operational capability, generating international recognition for the quality of maize, popcorn and sweetcorn seed we can produce. Our team has worked tirelessly this season, and they have done an outstanding job getting seed to our growers through such a challenging period.

Like you, we are hoping the coming season will be an improvement on this past year. Much of what affects us on farm is outside our control. Weather events, rising input costs and government regulation can create pressure for us all. Focusing on what we can control is key if we want to keep things moving forward. Our continued search for better maize hybrids and ensuring we can produce quality seed for the growing demand that is occurring, remain at the forefront of our goals.

We have access to a fantastic array of maize genetics from around the world, and the hunt for new and better hybrids is going exceptionally well. We are very excited about the new genetics we are seeing in our trials, and we expect to have new offerings in a wide range of hybrid maturities throughout New Zealand in the near future. If you would like to see some of the new hybrids coming through our development programme, please call your local Sales Agronomist (see back cover). We would love to host you at one of our regional trial sites.

As always, we wish you all the best for the coming season, and if there is anything we can do to assist you, please get in touch with us.

All the best for the season ahead.

Cheers

Graeme Austin
National Business Manager
Corson Maize

CORSON MAIZE HYBRID NAMING SYSTEM AND ENVIRONMENTAL UPDATE

In 2022 we renamed some of our existing maize hybrid products using the PAC naming system. We understand that may have been confusing for those who were familiar with our previous names. We also understand that the use of "PAC" may be confusing because it is associated with Pacific Seeds.

To clarify the changes we have made, we wish to make it clear that not all our hybrids are sourced from Pacific Seeds, and that we have adopted the Pacific Seeds (PAC) naming convention to meet market requests and simplify the names we use. The table alongside sets out the new PAC name and the previous names of each hybrid.

We previously described a group of hybrids as "Dairy Platform Specialist Maize Hybrids". They were also advertised as a new group and newly introduced. The hybrids in this group were existing Corson hybrids that were selected by us as suitable for use on dairy platforms. Corson Maize is not marketing a dairy platform range of hybrids.

CORSON MAIZE HYBRIDS AND PAC IDENTIFICATION

PREVIOUS NAME	CRM	NEW NAME
PAC 624	115	PAC 624
PAC 564	113	PAC 564
Z71-F1	111	PAC 500
PAC 430	108	PAC 430
PAC 432	105	PAC 432
G49-T9	104	PAC 355
PAC 344	102	PAC 344
PAC 314	101	PAC 314
N39-Q1	97	PAC 295
PAC 249	95	PAC 249
PAC 144	94	PAC 144
Comet	92	PAC 100
PAC 119	90	PAC 119
Booster	81	PAC 007

Note: *The table above refers to our product range that existed in 2022 that was part of the PAC name changing convention and that Corson Maize are still selling.*

Key:
Name change

ENVIRONMENTAL UPDATE

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.

Growing maize is very important for controlling and managing appropriate nutrient levels in soils to protect the environment. Maize requires high levels of nitrogen and potassium to grow well and can be utilised to either extract high levels of these nutrients from the soil or to reduce potential leaching of these environmentally damaging nutrients in order to protect our waterways.

According to studies (including those published by Michigan State University Extension*) another significant benefit of maize is that it is a plant which efficiently utilises carbon dioxide during photosynthesis. This characteristic makes maize a valuable crop for building up soil carbon, and depending upon subsequent cropping and cultivation activities, can lead to carbon sequestration. By incorporating maize into agricultural practices, farmers can not only achieve high yields, but also play a role in environmental conservation by enhancing soil health, reducing nutrient loadings and leaching into waterways, as well as contributing to carbon sequestration.

In addition to the natural benefits of maize, Corson Maize is focused on alternative ways in which we can contribute to environmental health, and the most recent example of this is our participation (as a founding member) in Agrecovery's bag recycling programme. To find out more on this sustainable recycling programme, visit agrecovery.co.nz.

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

PRODUCT DEVELOPMENT UPDATE

Resilience. This is the word that comes to mind when thinking about what the agricultural industry has tolerated over the last 18 months. We experienced storms, dairy payout drops, inflationary pressure, extended harvests due to weather, extensive disease pressure, fall armyworm (FAW), and emissions taxes... you name it, it has come our way.

This period has demonstrated the true grit, determination, and, in some cases, "stubbornness" of the agriculture industry. I have a new-found respect for all the hard-working people in the industry, and I could not be any prouder to be a part of it.

Like many of our growers, weather events and climatic conditions challenged the Corson Maize Hybrid Development Programme, impacting trial sites across the country and causing damage in some areas. Fortunately, many of our trial sites withstood the conditions and produced data and observations that proved the genetic capability of our hybrid selections and provided us with confidence in our selection methods. Based on our industry observations, our selection process has not only provided value to our trial programme, but has also highlighted the importance and value that these traits bring to our growers.

Our focus on favourable agronomic traits, such as disease tolerance, standability and yield stability, continues to pay dividends to our growers around the country. The execution of this focus has been achieved due to our unique relationships with many different market leading international seed suppliers. These relationships provide Corson Maize access to a diverse pool of genetics, allowing us to select what we believe are the best genetics. These genetics are then rigorously trialled to test their suitability for New Zealand farming conditions over many years. Our team is constantly viewing and evaluating these hybrids and comparing them to our current portfolio before a commercial release. This ensures that they are agronomically suited to the environment they are intended for while building on the standard that we have set for ourselves.

As the end of the season draws closer, we start shifting our focus back to new ways to deliver value to our growers. We are pleased to announce that we will be bringing three exciting new products to the market: PAC 492, PAC 298 and PAC 287. These hybrids bring new energy to the marketplace, offering versatility and robustness while delivering high yields and creating diversity throughout our product range.

PAC 298 is a reliable and robust hybrid well-suited for the North Island silage and grain markets. Demonstrating great yield stability even in the most challenging environments paired with a strong ear flex PAC 298 produces impressive grain yields for its maturity. PAC 492 is a food-grade hybrid with strong agronomic traits, filling a niche in our portfolio and providing an excellent solution for grain growers. PAC 287 brings adaptability to the table through an impressive stature and staygreen with excellent silage yield potential and strong grain yield potential. It's a smart choice for those who want to keep their options open.

This season, our trial programme expanded to more locations around New Zealand, allowing us to better understand how our hybrid portfolio performs and to evaluate the fitness of pre-commercial hybrids under a broader range of conditions. With a wider variety of trial locations, we would like to invite our growers or anyone thinking about growing Corson Maize hybrids to view our plot trial or strip trial sites around the country. Do not hesitate to get in touch with your local Corson Maize Sales Agronomist to arrange a tour (see back cover for details). It would be a pleasure to share with you what we are working towards. Corson Maize is dedicated to delivering a broad range of outstanding hybrids that are suitable for a wide range of maize-growing environments and farming operations across NZ. Whether you are growing silage on your dairy farm or selling into the dairy or grain industry, we have options for your needs. Contact the team today to find out how our hybrids fit into your system.

Cheers

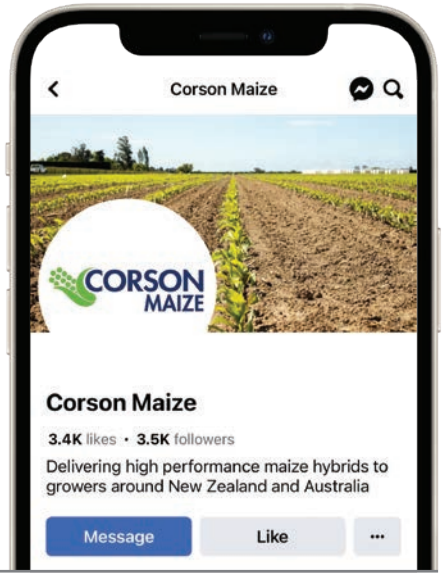
Mike 'Tiny' Turner
National Research Manager

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.

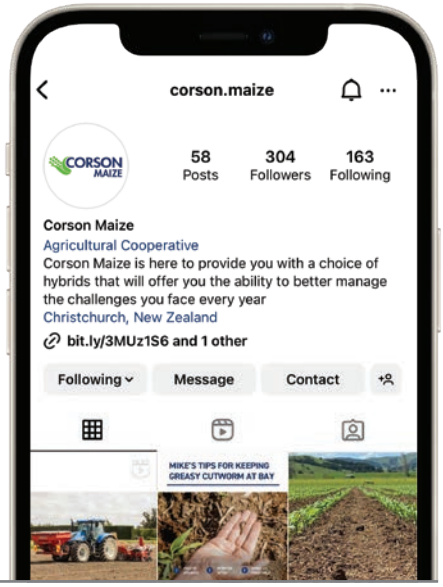
FACEBOOK - CORSON MAIZE

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!



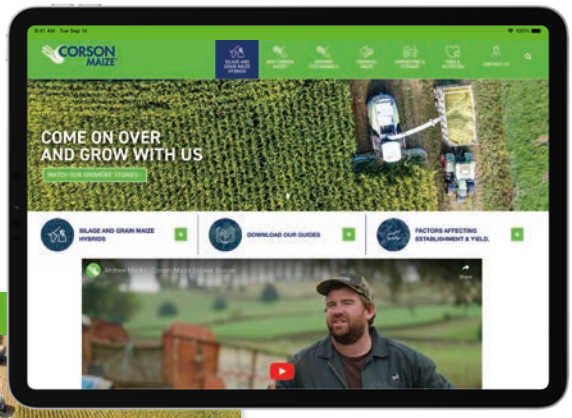
WEBSITE AND PUBLICATIONS

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.


LENSV8
JAGUAR
CLAAS

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.

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.

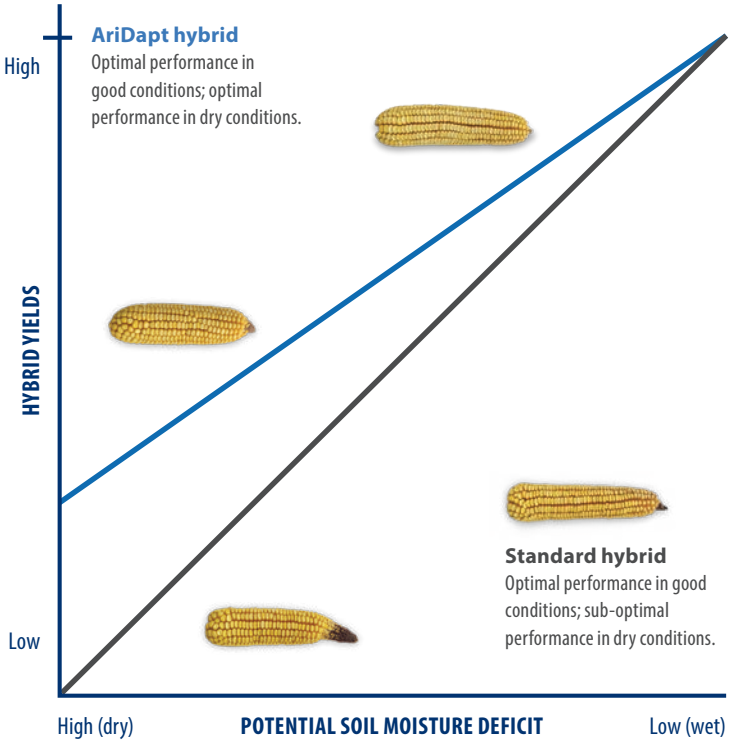
Considering this, it's worth highlighting our moisture deficit - resilient genetic technology: AriDapt. The AriDapt range has built a strong reputation for performing well in drier conditions in New Zealand and producing improved yields compared to many non-AriDapt hybrids. As a result, the AriDapt range 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 314 and PAC 430 are the four 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.dekalb.fr/mais-grain/conseils-pour-planter-et-cultiver-le-mais/variete-de-mais-grain/semences-hybrides*). 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.

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	121										
2 MAR	164	160	157	153	150	146	143	139	136	132	129	125	122									
7 MAR	169	165	162	158	155	151	148	144	141	137	134	130	127	123	120							
12 MAR	174	170	167	163	160	156	153	149	146	142	139	135	132	128	125	121						
17 MAR		175	172	168	165	161	158	154	151	147	144	140	137	133	130	126	123					
22 MAR				173	170	166	163	159	156	152	149	145	142	138	135	131	128	124	121			
27 MAR					175	171	168	164	161	157	154	150	147	143	140	136	133	129	126	122		
1 APR						176	173	169	166	162	159	155	152	148	145	141	138	134	131	127	124	121
6 APR								174	171	167	164	160	157	153	150	146	143	139	136	132	129	125
11 APR									176	172	169	165	162	158	155	151	148	144	141	137	134	130
16 APR										177	174	170	167	163	160	156	153	149	146	142	139	135
21 APR												175	172	168	165	161	158	154	151	147	144	140
26 APR													177	173	170	166	163	159	156	152	149	145
1 MAY														178	175	171	168	164	161	157	154	150

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.

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 14-15. 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
NEW	PAC 081	115-129	Very Early
	PAC 007 (Booster)	117-131	Very Early
	PAC 119	124 -138	Early
	PAC 100 (Comet)	126-140	Early
	PAC 144	128-142	Early
	PAC 295 (N39-Q1)	131-145	Early
	PAC 249	129-143	Early
NEW	PAC 298	129-143	Early
NEW	PAC 287	130-149	Early
	PAC 314	134-148	Mid
	PAC 344	135-149	Mid
	PAC 355 (G49-T9)	136-150	Mid
	PAC 432	137-152	Mid
	PAC 430	141-155	Late
NEW	PAC 492	144-159	Late
	PAC 500 (Z71-F1)	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.

REGION TWO

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
NEW	PAC 081	123-137	Early
	PAC 007 (Booster)	125-139	Early
	PAC 119	131-145	Mid
	PAC 100 (Comet)	133-147	Mid
	PAC 144	135-149	Mid
	PAC 295 (N39-Q1)	139-153	Mid
	PAC 249	137-151	Mid
NEW	PAC 298	137-151	Mid
NEW	PAC 287	140-156	Mid
	PAC 314	142-156	Mid
	PAC 344	143-157	Late
	PAC 355 (G49-T9)	144-158	Late
	PAC 432	145-160	Late
	PAC 430	150-166	Very Late
NEW	PAC 492	152-170	Very Late

REGION THREE

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
NEW	PAC 081	128-142	Early
	PAC 007 (Booster)	130-144	Early
	PAC 119	135-149	Mid
	PAC 100 (Comet)	137-151	Late
	PAC 144	140-154	Late
	PAC 295 (N39-Q1)	143-157	Early
	PAC 249	140-154	Late
NEW	PAC 298	140-154	Late
NEW	PAC 287	146-157	Late
	PAC 314	146-161	Late
	PAC 344	147-162	Very Late

REGION FOUR

	HYBRID OPTIONS	DAYS TO HARVEST	REGIONAL PLANT MATURITY
NEW	PAC 081	143-163	Mid
	PAC 007 (Booster)	145-165	Mid
	PAC 119	154-174	Late
	PAC 100 (Comet)	156-176	Very Late
	PAC 144	160-180	Very Late

HYBRID TRAITS TABLE

		NEW						NEW
		PAC 081	PAC 007 (Booster)	PAC 119	PAC 100 (Comet)	PAC 144	PAC 249	PAC 298
CROP RELATIVE MATURITY	CRM SILAGE	79	81	90	92	94	95	95
	CRM GRAIN	86	88	90	NA	94	97	98
PLANT TRAITS	HUSK COVER	M	L	M	L	M	M	L
	EAR FLEX	SF	SF	F	SF	F	F	F
	EARLY GROWTH	4	5	4	3	4	3	3
	RELATIVE PLANT HEIGHT	T	T	MT	MT	MT	MT	M
	STAYGREEN	4	4	5	4	3	4	3
	ROOT STRENGTH	4	4	4	3	4	3	4
	STALK STRENGTH	4	4	5	4	3	4	4
	DROUGHT TOLERANCE	4	4	5	4	3	5	4
DISEASE RESISTANCE	RUST TOLERANCE	3	3	3	5	4	4	3
	NORTHERN LEAF BLIGHT	4	3	4	2	5	3	4
SILAGE QUALITY TRAITS	WHOLE PLANT DIGESTIBILITY	5	4	4	4	5	5	ID
	TOTAL ENERGY	4	4	4	5	4	4	ID
GRAIN CHARACTERISTICS	KERNEL TEXTURE	H	H	M	MS	M	M	M
	GRAIN DRYDOWN	3	3	4	NA	4	3	4
	TEST WEIGHT	5	5	4	NA	4	4	3
PLANTING POPULATIONS (000/HA)	GRAIN	85-95	90-105	90-100	NA	90-100	90-100	90-100
	SILAGE	95-105	95-110	95-105	95-105	90-105	95-105	80-90

TRAIT RATINGS

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

NA - Not Applicable ID - Insufficient Data

	PAC 295 (N39-Q1)	NEW PAC 287	PAC 314	PAC 344	PAC 355 (G49-T9)	PAC 432	PAC 430	NEW PAC 492	PAC 500 (Z71-F1)	PAC 564	PAC 624
	97	98	101	102	104	105	108	109	111	113	115
	100	98	101	102	NA	107	108	109	NA	115	NA
	M	L	M	M	S	L	L	L	S	M	L
	F	SF	F	F	F	F	F	F	F	F	F
	2	3	3	5	4	3	3	3	4	3	3
	T	MT	MT	M	T	T	MT	M	T	M	T
	4	4	4	5	4	5	4	4	4	5	4
	4	4	5	4	4	3	5	4	4	4	4
	4	4	4	5	4	5	4	4	4	4	5
	4	4	5	4	4	4	5	4	4	4	4
	4	3	3	4	4	3	3	3	4	3	3
	4	4	4	5	2	5	4	4	4	4	4
	4	ID	4	4	4	4	5	ID	4	4	4
	5	ID	4	4	4	4	5	ID	5	4	5
	M	M	M	MH	S	MS	M	H	S	M	MS
	4	4	4	4	NA	3	4	4	NA	2	NA
	4	3	4	4	NA	4	4	5	NA	4	NA
	85-95	90-100	90-100	90-100	NA	85-100	80-95	85-95	NA	80-95	NA
	90-100	85-95	95-105	95-105	80-95	90-105	85-100	80-90	80-95	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 18.

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.

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*

SILAGE AND GRAIN MAIZE HYBRIDS

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

CORSON MAIZE SILAGE AND GRAIN HYBRIDS

Corson Maize has access to genetics from more maize seed companies than any other company in New Zealand. This means that we provide our growers with a range of outstanding hybrid genetics that have been tried and tested and are well suited to maize growing environments in New Zealand.

This section of 'The Maize Book' highlights the maize hybrids that we have identified as strong hybrids for New Zealand conditions. Our diverse range of hybrids offers farmers options and versatility for a wide range of environments and farming operations.

In the hybrid selection section on pages 13-15, you will find a handy guide on how to select the maize hybrid that will work based on your region and your planned planting to harvest dates.

For any further support in selecting a maize hybrid, please contact either your local rural retailer representative or your Corson Maize Sales Agronomist (see back cover for contact details).

NEW

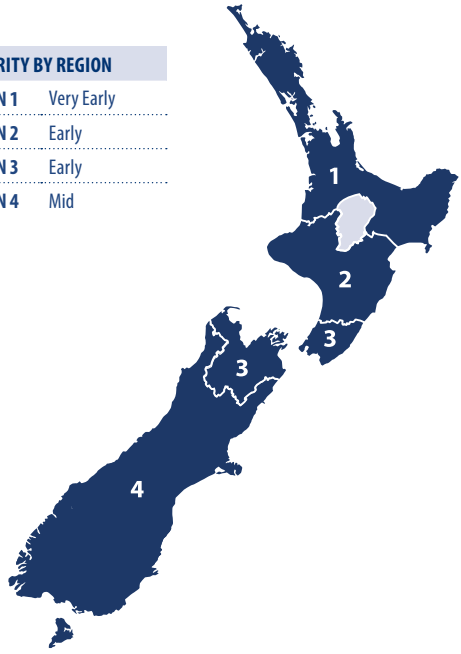
PAC 081

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 around New Zealand as an 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**
- **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

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

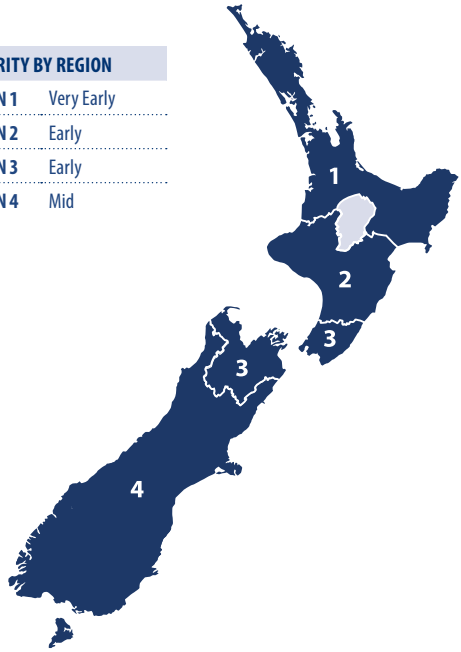
PAC 007 (Booster)

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	90-105
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 dual purpose hybrid suitable for South Island, lower 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**
- **Excellent yield stability**
- **Large bulky plant with excellent early growth**
- **Very good stalk and root strength**
- **Girthy well filled ears packed with large excellent test weight kernels**

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.

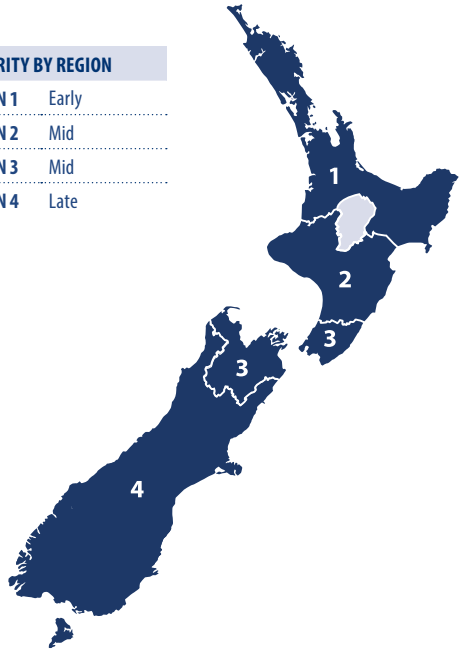
PAC 119

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 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

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

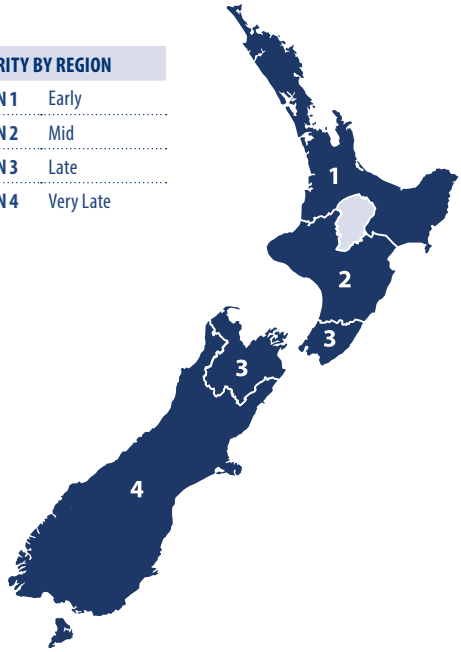
PAC 100 (Comet)

SILAGE CRM 92

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	95-105

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



PAC 100 is a reliable and widely adaptable silage hybrid. It provides impressive total energy and whole plant digestibility throughout the North Island (where Northern Leaf Blight isn't a major concern) and upper South Island.

This **PAC 100** hybrid is a full maturity option in the upper South Island and a mid-maturity option in the lower North Island.

PAC 100 has a large semi-flex ear and produces plenty of bulk with high yields of medium-soft textured grain, making it an excellent early maturing hybrid choice for your dairy system.

- **A widely adaptable silage hybrid with high total energy and very good staygreen for a long harvest window**
- **Broad leaves on a medium-tall plant provide plenty of bulk**
- **A high kernel-row count and deep kernels produce silage with high grain content**

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.

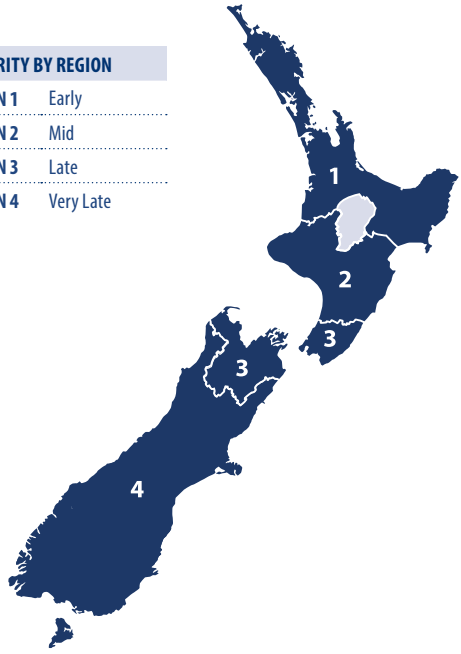
PAC 144

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	90-100
Silage	90-105

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 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

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

PAC 249

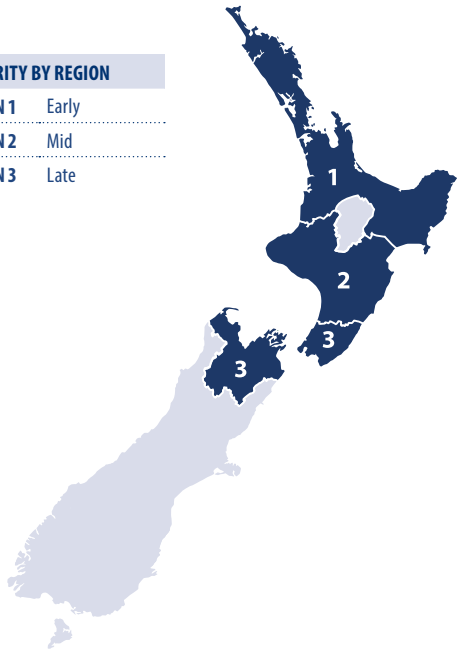
SILAGE CRM 95 / GRAIN CRM 97

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	90-100
Silage	95-105

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

NEW

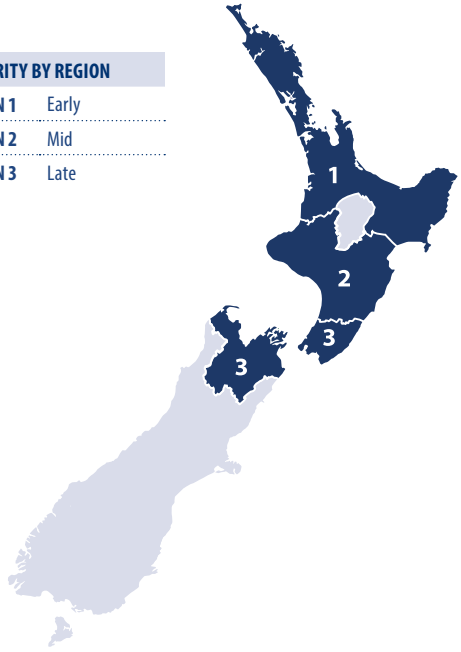
PAC 298

SILAGE CRM 95 / GRAIN CRM 98

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

PLANTING POPULATIONS (000/HA)	
Grain	90-100
Silage	80-90

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



PAC 298 is a reliable and robust hybrid well suited for 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 very good drought tolerance**
- **Excellent grain yields for its maturity**

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.

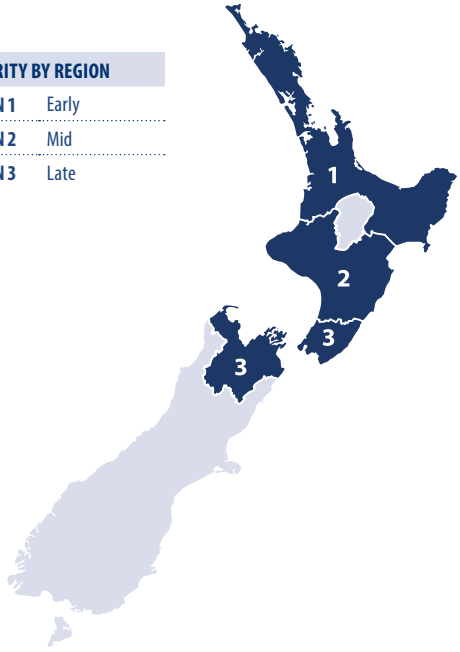
PAC 295 (N39-Q1)

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

NEW

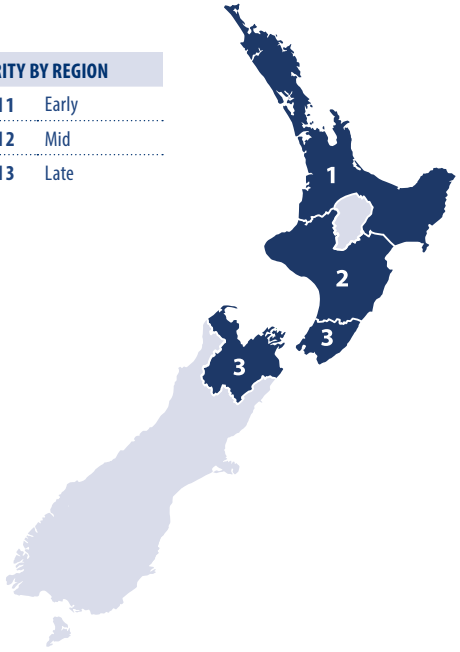
PAC 287

SILAGE CRM 98 / GRAIN CRM 98

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

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

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

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

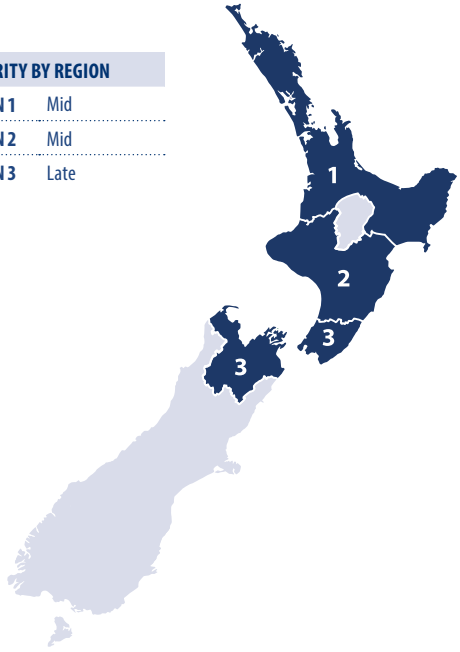
PAC 314

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	90-100
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 all 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
All evaluations are not comparable to any other companies' evaluations and are based on observations by Corson Maize staff.

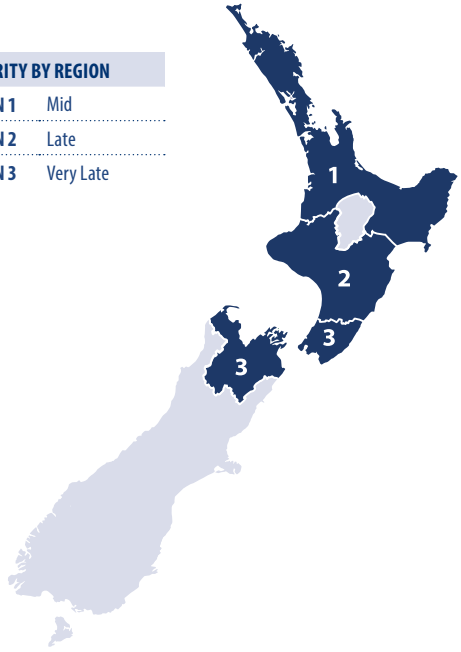
PAC 344

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	90-100
Silage	95-105

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



PAC 344 is an exceptionally fast and strong starting hybrid and 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

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

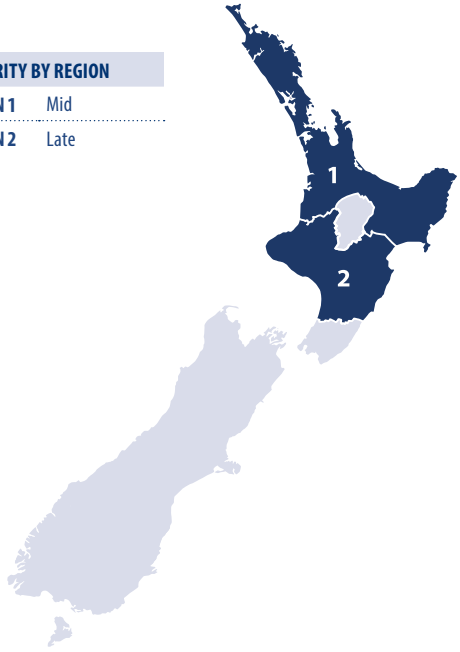
PAC 355 (G49-T9)

SILAGE CRM 104

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	80-95

MATURITY BY REGION	
REGION 1	Mid
REGION 2	Late



PAC 355 produces a tall crop with large ears which combine to provide its high dry matter yield potential and dependable silage quality. Along with very good whole plant digestibility and total energy, it will favour both the silage grower and the silage user.

PAC 355 is widely adaptable and suitable for maize silage growers on all soil types targeting high silage yields. Moderate populations are recommended to get the best balance of cob to stover.

- **Exciting silage hybrid that delivers very good yield potential**
- **Tall dark green plant with flexible stalks and large ears**
- **Reliable agronomic traits assist in maintaining maximum yield potential**

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.

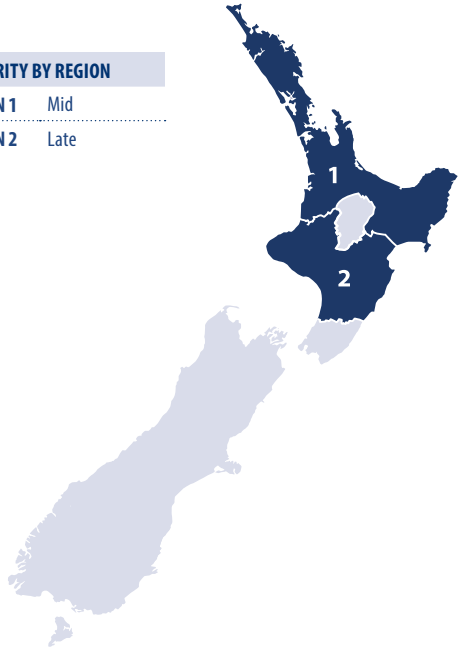
PAC 432

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 type, moderately leafy**
- **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**

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.

PAC 430

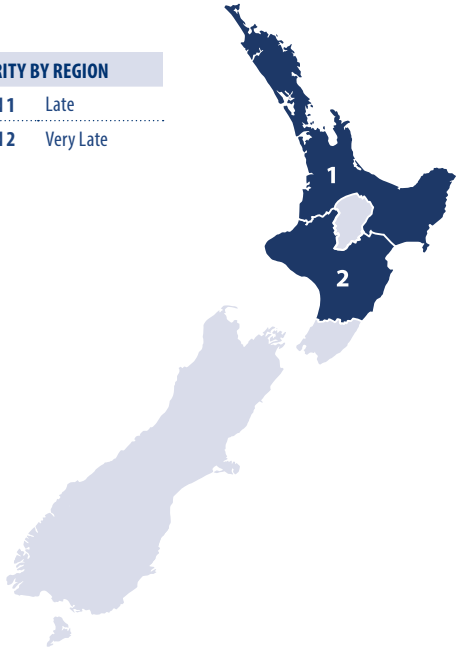
SILAGE CRM 108 / GRAIN CRM 108

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	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. 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.

NEW

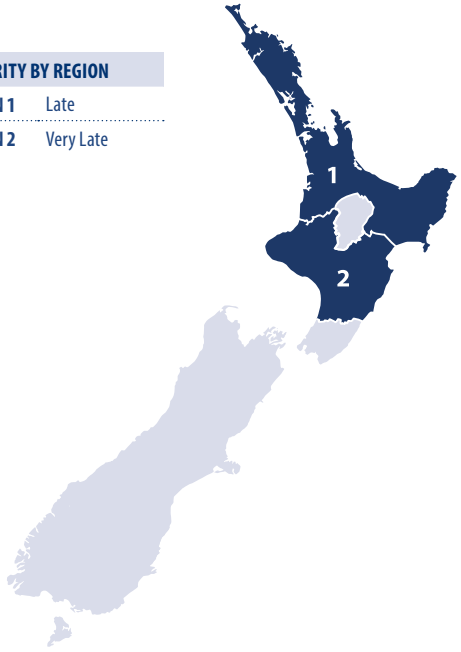
PAC 492

SILAGE CRM 109 / GRAIN CRM 109

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

PLANTING POPULATIONS (000/HA)	
Grain	85-95
Silage	80-90

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

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

PAC 500 (Z71-F1)

SILAGE 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	NA

PLANTING POPULATIONS (000/HA)	
Silage	80-95

MATURITY BY REGION

REGION 1 Late

PAC 500 demonstrates very good early growth, establishing into a tall, bulky plant with large ears as well as very good staygreen which contributes to a wide harvest window. **PAC 500** has a high grain content and very good whole plant digestibility.

PAC 500 is suitable for warmer northern regions where early planting is possible. It is suited to both dairy platform and contract silage production, targeting high yields and quality silage. Dairy farmers can take advantage of its performance by planting early on the platform or on a run-off.

- **Full maturity silage hybrid developed in New Zealand by Corson Maize**
- **Very large plant with high grain yield and a sound agronomic package**
- **Excellent yield performance in this maturity**

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.

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**

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.

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

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

MAIZE SEED TREATMENT

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

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.

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.

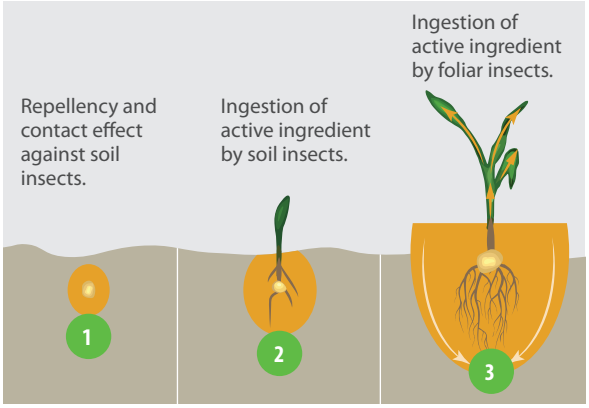
INSECTICIDE

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 (systemic and contact) fungicide which controls seed and soil borne diseases, and also acts as a plant growth stimulant. Worldwide, it is a specialised seed treatment fungicide for effective control and prevention of disease present externally and within the seeds, with an increased level of disease control.

Vitaflo is a unique fungicide and growth promotant and contains both thiram and carboxin (internationally recognised fungicides for seed protection). Thiram controls diseases borne on the outside of the seed coat and provides a protective barrier around the seed. Carboxin is a patented growth stimulant and is also recognised as one of the world's leading seed treatment fungicides. It penetrates the seed coat to control smuts and other diseases borne in the embryo and provides systemic protection against seedling rots during seedling development.

BIRD REPELLANT

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.

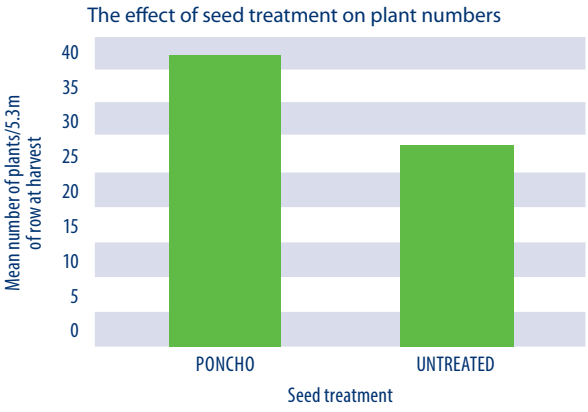
Poncho Votivo and Vitaflo are recommended as the standard treatment to all hybrids in the Corson Maize portfolio.

Avipel is available on request.

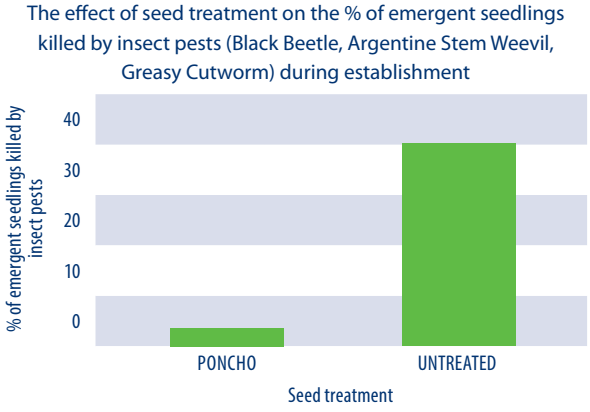
MAIZE TRIAL RESULTS

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.

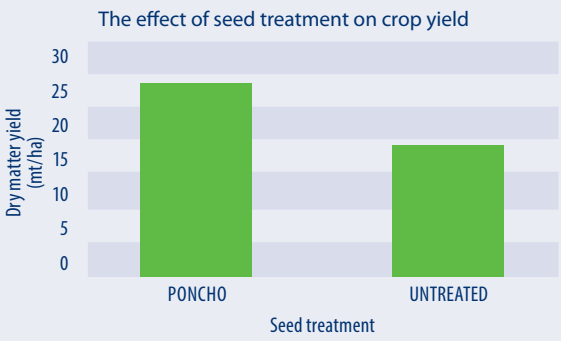
PLANT NUMBERS



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 $1,864/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 $158/ha (plus GST)

**Based on 2023/2024 industry pricing*

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.

The application of an industry leading polymer (Peridiam® EV309) binds the active ingredients to the seed, ensuring they are delivered to the soil as required. The 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 flow-ability 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. Avipel is a registered trademark of Arkion Life Sciences.

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

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