

SUMMER 2021-22

GRASS & GRIT



A message from John...

Well, this year has flown by and with the recent good rains we are still in the thick of the season with machines coming and going.

It has truly been a great pleasure to see the farm machinery market respond positively in such an uncertain environment. Our order book has been full to overflowing throughout the year and with supply being very tight it has caused a small number of delays with deliveries.

I apologise if your machine has arrived without all of the options ordered, but some of these optional extras were not immediately available when the machines were shipped.

Shipping containers from Europe have virtually doubled in cost, and shipping duration has increased by up to 50%. So it has been a struggle to keep everything rolling smoothly.

We do appreciate your loyalty and patience in times like these, where many of these events are outside of our control.

We can be thankful that the potential devastating effects of Covid-19 have been minimised in New Zealand, largely due to a well behaved public.

There is no doubt that it has been stressful none-the-less. I hope you have been able to cope in spite of the staff shortages in our industry.

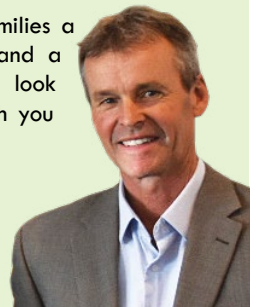
World markets for food and ingredients have been tipped upside down but remain positive, and especially our dairy industry has benefited from the changes. Long may the dairy price remain in the \$8 plus territory.

On behalf of our directors I would like to thank you, our customers and dealers, for

supporting us through these turbulent times. We are very proud of our team of dedicated individuals on our staff, who strive every day for best possible outcomes. There are many challenges ahead of us, and the changing world means we need to adapt to survive.

This has always been true, but I feel as though change has never come this fast and furious before. I feel as though we are in a good position to adapt and thrive as we move another notch "towards greener pastures".

I wish you and your families a very Merry Christmas and a Happy New Year! We look forward to working with you again in 2022.



Bigger BiG X to meet growing demand for maize

Phil Hawke Contracting - Waikato

Getting maize silage chopped on time is crucial, says Waikato contractor Phil Hawke.

To ensure a high-quality and efficient job, Phil and his son Ollie have been running a Krone Big X 630 self-propelled silage harvester for the last few years.

They will be adding a new Krone Big X 780 to their business in the New Year, just in time for the 2022 harvest season.

The Hawkes purchased their first Krone silage chopper when a second-hand one came up for sale.

"A mate of mine had it and wanted to trade it in. Ollie wanted to get into maize silage, so we bought it," Phil says.

"We started slowly and did 110 hectares the first year. We have **CONTINUED PAGE 2...**



From left: Ollie Hawke with father, Phil Hawke in front of the BiG X 630.



CONTINUED FROM PAGE 1... built it up from there.

"Ollie is very conscious about doing a good job for farmers, and we have picked up work because they know we care about the end result. Being in the area as long as we have, the clients know you."

As demand grew, the second-hand silage chopper was replaced by the Krone Big X 630 four years ago. Now Ollie has gone for an even bigger machine to keep ahead of the growing workload.

"I think last year we did 650 ha and we have picked up more work since then, so we will be looking at more than 700 ha season. That is why we have ordered the new one," Phil says.

"We will keep the old one going. Maize is such an expensive commodity and if you can't get the harvest time right, it reduces quality and costs the farmers.

"We can have the big machine working on the big jobs and the smaller one can chip away at the smaller jobs. Although those jobs might be small, we work in some undulating country. It can take time and we don't want to rush it."

The Hawkes' Krone Big X silage harvesters are equipped with the latest technology, including yield monitoring and dry matter sampling.

"It means you can give the farmer all the

information they want about the crop and the yield," Phil says.

"This is becoming more and more of a thing, because they need to know how much they are feeding their cows and how much they have got in reserve."

Phil says Krone Big X choppers cut lower to the ground, compared to other forage harvesters. This is an added benefit and leads to a better job when processing the crop. Tulloch Farm Machines is the New Zealand supplier of the Big X and other Krone equipment.

"These machines are new as far as the models go, so Tullochs wanting to showcase them. That is a good thing because they keep an eye on them and how you are going," Phil says.

Krone Big X forage harvesters have powerful and fuel efficient engines, run six intake rollers for extra reliability, and deliver a high quality chop.

OptiMaxx roller conditioners deliver intensive kernel processing, while the cab is equipped for driver comfort and easy operations.

Phil Hawke Contracting has been dealing with Piako Tractors in Morrinsville for a number of years and has received a good service.

Phil says the Piako Tractors staff are very

efficient, promptly responding to queries and will make call outs within the hour, when needed.

Ollie works in both ends of maize production. Phil Hawke Contracting runs a Strebel strip till machine in combination with a Monosem precision planter. It runs behind a 265-hp Fendt 824 tractor, also supplied by Piako Tractors.

Phil has been contracting for more than 40 years, since he started out as an 18-year-old.

He followed in the footsteps of his grandfather, who took up contracting after moving to the Waikato region, "so it is a bit of a family tradition".

These days Phil contracts with his son Ollie, offering a full range of contracting services including grass, maize and effluent spreading.

Staff News Congratulations Oliver Bertram



Congratulations to Oliver Bertram on being awarded with the TAMA Emerging Talent in Service title and prize this year.

Kyle Baxter, President of the Tractor and Machinery Association, popped by the Tulloch Farm Machines site with this prestigious award and a \$500 cash prize for Ollie's efforts in the workshop and out in the field.

This award is a testament to the hard-work and commitment that Ollie puts into every job. Well done Ollie!

Chemical Free Weed Control Einbock Row-Guard with Finger Weeder

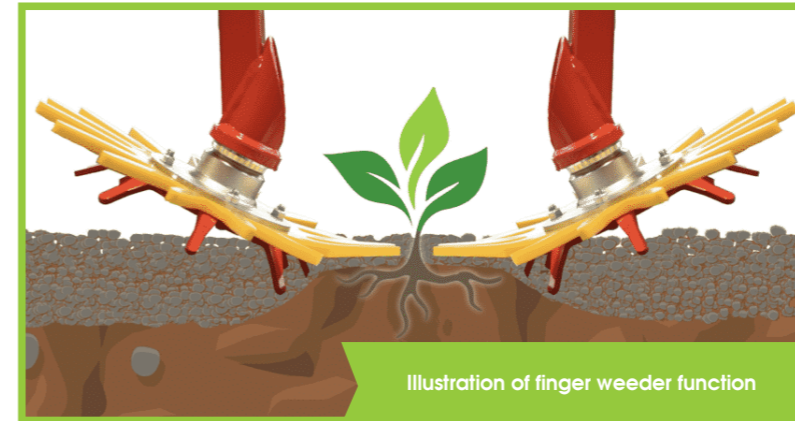


Illustration of finger weeder function

Customer feed-back and demonstrations are not always conclusive in determining if you have done a thorough job of exploring the full potential of tools on hand to eliminate weeds mechanically. When the pressure is on, there is little time for changing tooling, settings and configuration.

Some crops are organic and therefore no chemicals can be used whilst others like squash are very sensitive to chemical control and therefore need mechanical weed control in early stages of growth.

The challenge is always weed control between the plants in-row.

This can be controlled initially with blind weeding tools (Einbock Aerostar) which do a pretty good job, and they can be used successfully up to V2-V3 in maize. The inter-row control however is fairly easy with tools like our Row-Guard camera guidance system from Einbock in Austria. Weeding mechanically can continue to V6-V7 no problem.

In addition, assistance with special lighting for night work allows a lot of ground to be covered in a two shift day. The inter-row weeding can also create problems however for example in beans. Often the inter-

row method of controlling the weeds between the plants is to throw soil at the plant stem creating a ridge but if you don't drown the weed out then you end up with a pretty strong robust weed.

If you grow beans then you won't find any bean harvester anywhere near your crop if they see that ridge situation.

2021 – The year of the best possible solution.

We have always believed that finger weeders will do the job of eliminating a good portion of the inter-plant weed but we've never had a suitable opportunity to try it out in a situation where we could chop and change tooling etc. To achieve this objective you need precision guidance to get very close to the plant – as close as 2-3cm at a respectable speed - 7kph minimum to be cost effective.

The tooling and the row units the tools mount onto need to be rigid enough that you get minimal side movement that might damage plant or root.

Setting tooling at a shallow depth leaves a small ridge that the finger weeders are able to do the job they were designed for. The accelerated action of the fingers create a rooster

tail out the back when set correctly. Not only does this eliminate the weeds (provided they are not too far advanced), but it levels out the ridge completely and leaves a good clean looking finish. Now, with 8 Row-Guard units in the field since 2017, we are very confident with the accuracy of the guidance which is well beyond the expectations of sceptics.

The machine proves beyond doubt that even with RTK correction, the Row-Guard takes out the movement of the tractor and keeps your crop safe from machine damage. While most are used to guide inter-row cultivators, some are even used for inter-row hooded sprayers.

Finally we also had a set of "Cats Whiskers" (Mechanical Feeler) from Einbock to try out. Although time was short, we believe this will help when the maize has canopied and the camera has trouble following the rows.

Find links to the Chopstar with Rowguard and finger weeders [here](#)



TULLOCH
Towards greener pastures

TO ALL OF OUR LOYAL CUSTOMERS
WE THANK YOU FOR YOUR BUSINESS THROUGHOUT THE PAST YEAR,
WE LOOK FORWARD TO WORKING WITH YOU IN 2022.

CHRISTMAS HOURS

FRIDAY 24TH DECEMBER	8:00AM - 1:00PM
SATURDAY 25TH DECEMBER	CLOSED
SUNDAY 26TH DECEMBER	CLOSED
MONDAY 27TH DECEMBER	CLOSED
TUESDAY 28TH DECEMBER	CLOSED
WEDNESDAY 29TH DECEMBER	8:00AM - 5:00PM
THURSDAY 30TH DECEMBER	8:00AM - 5:00PM
FRIDAY 31ST DECEMBER	8:00AM - 5:00PM
SATURDAY 1ST JANUARY	CLOSED
SUNDAY 2ND JANUARY	CLOSED
MONDAY 3RD JANUARY	CLOSED
TUESDAY 4TH JANUARY	CLOSED
WEDNESDAY 5TH JANUARY	8:00AM - 5:00PM

AFTER HOURS SERVICE FULLY AVAILABLE
06 370 0390



SUMMER 2021-22 UPDATES

Online Resource Centre mykrone.green

We are encouraging all Krone customers to register and access the multitude of resources available at mykrone.green. This is a valuable tool to assist you in getting the best and most recent information on your machine including operation manuals, images, machine data information and other media. Take advantage of this great resource!

mykrone.green



New Krone Finance Offer from January 1st 2022

We have a new finance offer to bring in the New Year. Please refer to the table below for the different options.

Term	20% Deposit	30% Deposit	40% Deposit
24 Months	3.45%	2.95%	2.45%
36 Months	4.45%	3.95%	3.45%
48 Months	5.45%	4.95%	4.45%

- Period finance offer is valid for: 01/01/2022 - 31/05/2022
 - Deposit is based on the GST inclusive sum
 - 3 months deferred payment.
- Terms, conditions and lending criteria apply.



Events: Where we will be

- Harrisville Harvest:** **Cancelled**
- Northland Field Days:** March 3rd - 5th 2022 (Site D22)
- Central District Field Days:** March 17th - 19th 2022 (Site O121-O124)
- South Island Field Days:** **Cancelled**

We will also attend demo days and host our own demo days where and when possible. If you would like a demonstration of our machines please contact us on 06 370 0390.

Merry Christmas from the Tulloch Team!

We hope you and your family
have a very Merry Christmas
and we look forward to a
prosperous 2022.

Merry Christmas from
the Tulloch Team



TULLOCH
Towards greener pastures