

KELLY

Better Tillage. Better Tomorrow.

KELLY Tillage System





KELLY is the global leader in the engineering and manufacturing of shallow tillage machinery. The KELLY brand is built upon a foundation of necessity-driven innovation and is committed to supporting beneficial farming practices.

KELLY machinery is intuitively designed, highly adaptable and offers multiple configurations to best suit the needs of the farmer, delivering cost savings and time efficiencies by completing multiple functions with a single machine and often completing those functions in a single pass.

KELLY continuously sets new industry benchmarks in the pursuit of a 'Better Tomorrow', with the commercial and environmental benefits of a KELLY seedbed promising a brighter and healthier future for both farmers and the planet.

Better Tillage. Better Tomorrow.



CONTENTS

THE KELLY STORY.....	4
PRODUCT OVERVIEW.....	6
BENEFITS.....	8
MACHINE FEATURES.....	10
SPECIFICATIONS.....	12
CHAIN REFERENCE TABLE.....	16
CASE STUDY.....	17
TESTIMONIALS.....	18
CONTACT.....	20



Scan to
see the full
KELLY story.

Pictured: Shane Kelly, Executive Director of Research and Development



Better Tillage. Better Tomorrow.

Inspired by Community

KELLY Tillage began as a family business with strong community values. We believe in servicing our customers well, caring for our staff and ensuring that our products contribute to sustainable agriculture.

It is our aim to have satisfied customers promoting our products and contributing to our continued improvement.

Our staff are critical members of the KELLY team and their dedication and pride is demonstrated in each and every product we sell.

Sustainable agriculture for us means improvements in soil structure and productivity, build up of soil carbon, best use of soil moisture, integrated weed management and improved economic margins.

We thank you for showing an interest in our products. If there is anything the team or I can do for you, please do not hesitate to contact us.



Shane Kelly

Pictured: The Kelly family farm in Booleroo Centre, South Australia



KELLY Tillage began on the Kelly family farm near Booleroo Centre in the northern agricultural region of South Australia. Nestled in the foothills of the picturesque Flinders Ranges, Booleroo Centre has a long history of agricultural innovation.

kellytillage.com



Pictured: KELLY Tillage System with CL1 Disc Chain

The KELLY Tillage System

One machine for year-round tillage.

The KELLY Tillage System uses a range of Disc Chains to meet ultra-shallow tillage opportunities in global crop production systems. Originally designed for managing crop residue after harvest, it is now used for levelling the seedbed, incorporating cover crops and removing weeds. With an earned reputation for strength and reliability, the KELLY Tillage System is available in multiple sizes and configurations.

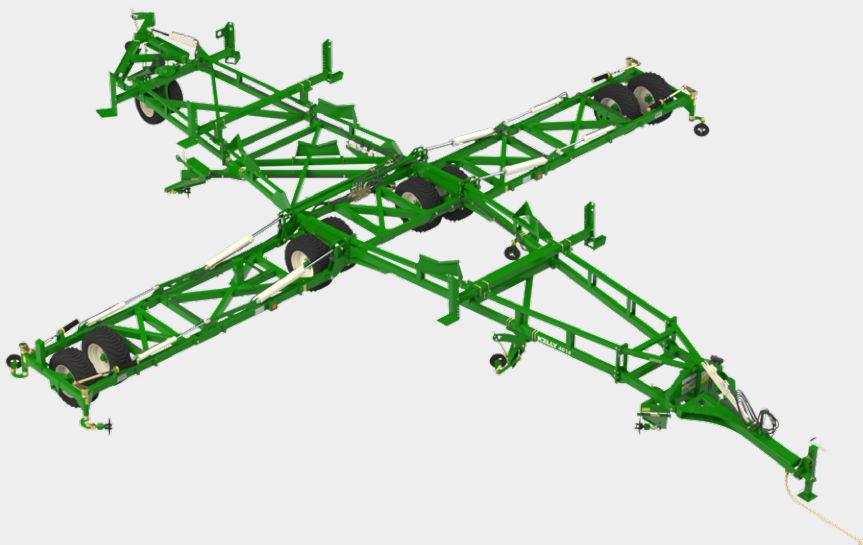


Better Tillage. Better Tomorrow.

Building Better Tillage

Diamond Harrow

The KELLY Diamond Harrow provides a durable platform for KELLY Disc Chain. With a high-strength steel frame and a hydraulic fold system for ease of transport, this efficient harrow is available in a range of sizes.



Disc Chains

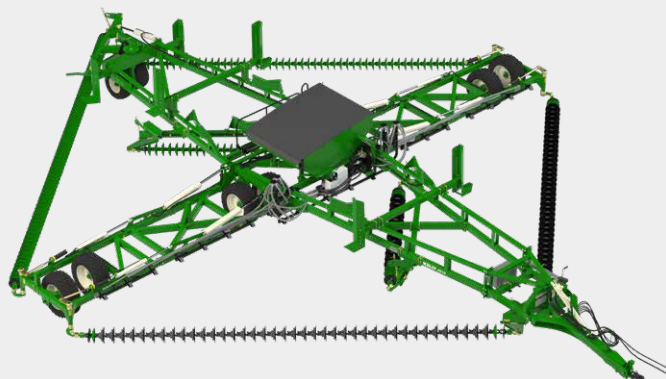
KELLY offers a full range of ground tool options, from the lightweight Prickle Chain to the powerful CL2. Heavy, widely spaced Disc Chains offer improved soil penetration and performance in wet conditions, while chains with closer spacing increase weed control and provide a finer seedbed.



OPTIONAL

Pneumatic Seeder

The KELLY Seeder, an 80 cu ft airseeder unit, can be integrated with the KELLY Model 4614. Aftermarket seeders can be fitted to all models.



Scan to learn about
seeding cover crops
with KELLY.

Shallow Depth, Deep Impact

Pictured: KELLY Model 40 preparing a seedbed

Start with a perfect seedbed.

KELLY Tillage is the global leader in seedbed preparation, designing and manufacturing shallow tillage technology that preserves soil moisture, improves seed/soil contact and creates an even surface for planting.

A level seedbed optimises planter performance and seed placement, leading to more consistent germination. KELLY Disc Chains create these ideal seeding conditions through an ultra-shallow tillage pass, giving each seed the best possible start.

Pictured: CL1 Disc Chain smashing crop residue

Make stubble management simple.

KELLY Disc Chains break stubble and split internodes to accelerate biological decomposition, returning nutrients to the seedbed.

Shallow-working Disc Chain technology allows farmers to start preparing early in the season, saving costs on labour and fuel. By knocking down residue, the KELLY Tillage System leaves a protective mulch layer that insulates the topsoil against erosion from wind and rain.

Better Tillage. Better Tomorrow.



Pictured: Fleabane weed uprooted with KELLY Disc Chain

Control weeds on your own terms.

Weeds won't resist a KELLY. Disc Chains uproot established weeds, leaving them on the surface to die. The shallow tillage action also stimulates the germination of weeds laying dormant in the upper layer of the soil seed bank.

By forcing uniform germination of seasonal weeds before planting, a KELLY pass can massively improve the effectiveness of a one-time herbicide application and limits the emergence of buried weed seeds throughout the growing season.



Pictured: KELLY Model 4614 with KELLY Seeder

Take charge of your cover crops.

When fitted with an integrated pneumatic seeder unit, a KELLY can establish a cover crop while preparing a seedbed. At the other end of the season, it can incorporate cover crops to return organic matter to the soil, providing a fertile environment for the cash crop to grow.

Using a KELLY Seeder or an aftermarket airseeder allows the KELLY Tillage System to prepare the field and plant the cover crop in a single pass, saving time and money.

Machine Features

As any farmer knows, the job is never finished. KELLY products are the result of decades of applied experience and evolution, culminating in a modern design that optimises field performance, fuel efficiency and resilience.

KELLY machinery is intuitively designed, highly adaptable and offers multiple configurations to best suit the needs of the operator. The KELLY Tillage System brings consistency and durability to the forefront through innovative engineering and intelligent design.



T-Style drawbar

The durable 'T-Style' drawbar design distributes force throughout the frame to allow for smoother turns. This drawbar is featured on the 3009, 40 and 4614 Models.

Centre frame module

The centre modules generate overlap for the front and rear chain gangs, allowing feathering to provide an even cut across the full working width.

KELLY Disc Chains

KELLY Disc Chains roll over the soil, working the top 3-5cm to incorporate crop residue, terminate weeds and prepare a level seedbed for planting.

Better Tillage. Better Tomorrow.

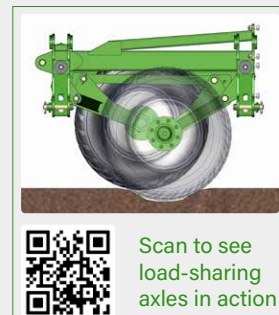
Pictured: KELLY Model 4614 with KELLY Seeder

Swivel bearings

Sealed swivel bearing units connect each Disc Chain gang to the machine frame. Bearings are highly durable, with a twelve-month wear warranty.

Load-sharing axles

4614 and 6218HDX models use unique load-sharing axles to spread weight throughout the frame. This low-maintenance design shines in wheel ruts and uneven soil conditions.



Pneumatic seeder

The KELLY Seeder, an 80 cu ft airseeder unit, can be integrated with the KELLY Model 4614. Aftermarket seeders can be fitted to all models.

Hydraulic manifold

Customised hydraulic valve manifolds incorporate a range of safety features for burst protection and operator security. KELLY products exclusively use high-quality Ryco hose and fittings, facilitating operation with only three pairs of hoses.

Framework

High-grade KELLY fabrications are the result of millions of hectares of experience. Designs are tested using Finite Element Analysis to ensure that each machine will stand up to the stress and rigour of years of use.

Hydraulic fold

The hydraulic folding system allows operators to move from road to field in approximately three minutes* and can be fully operated from the tractor seat.

*folding time may vary with tractor capacity and machine configuration.

Tyres

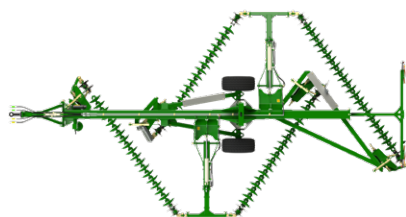
High-flotation tyres provide reduced soil compaction, leaving the smoothest possible finish. Outer wing dual wheels are available on select models for increased stability.

KELLY

MODEL RANGE

The KELLY Tillage System is simple to operate and requires minimal maintenance due to a user-friendly hydraulic folding system, sealed swivel bearings and stress-tested framework.

* Minimum power requirements assume each machine is fitted with CL1 Disc Chain on the front and rear chain sets.
Below power requirements are guidelines only. The power required to effectively operate each machine may vary based on Disc Chain configuration and soil conditions.

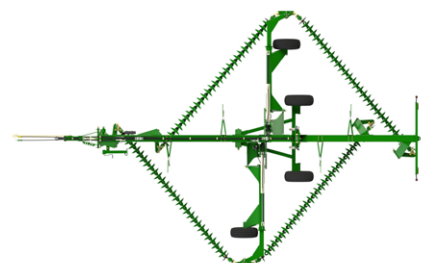


MODEL

1204

The Model 1204 is designed to leave a smooth, flat floor between orchard rows for improved nut harvest efficiency. This model can level soil, control weeds and prepare for almond harvest – all in one pass. Fuel, labour and herbicide savings ensure rapid return on investment. This unique model is configurable to suit a range of tree row spacings.

	TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
NARROW	9 (L) x 2.3 (W) x 2.1 (H)	3.8m	3.5m	2150kg	3.6ha/h	90HP (67kW)
MEDIUM	9 (L) x 2.3 (W) x 2.3 (H)	4.3m	4m		4.1ha/h	
WIDE	9 (L) x 2.3 (W) x 2.6 (H)	4.8m	4.5m		4.6ha/h	



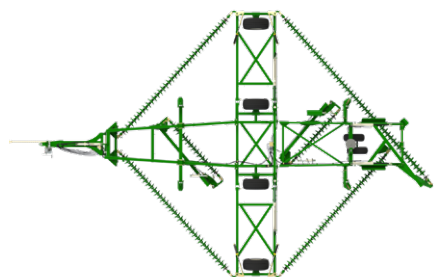
MODEL

2006

The Model 2006 uses an offset diamond chain layout for improved centreline overlap. This compact model incorporates hydraulic chain tensioning and has uniform wing and transport wheels, increasing stability and serviceability. The floating wings of the Model 2006 closely follow soil contours to achieve an even cut in undulating terrain.

	TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
	10.4 (L) x 2.4 (W) x 3.9 (H)**	7.2m	6.4m	2750kg	6.5ha/h	120HP (90kW)

** Model 2006 transport height can be reduced to 3.6m by dumping pressure in the wing tension cylinders.

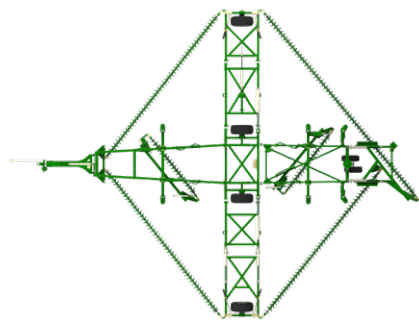


MODEL

3009

The reliable and robust Model 3009 is suitable for a wide range of applications. With a reworked drawbar for improved manoeuvrability and a full contour-tracking frame, this mid-sized model performs consistently across its 9m cut width.

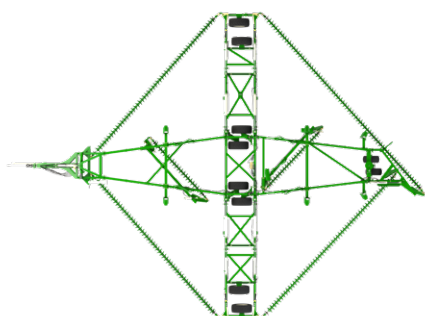
	TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
	12 (L) x 3.5 (W) x 4.1 (H)	10m	9m	4640kg	9.2ha/h	150HP (110kW)



MODEL 40

The Model 40 is built for longevity, efficiency and manoeuvrability. This model is designed with 3m wheel tracks, suitable for 12m controlled traffic farming. With a 12.5m cut width and versatile shallow tillage capabilities, this reliable tool is ready to tackle any job you throw at it.

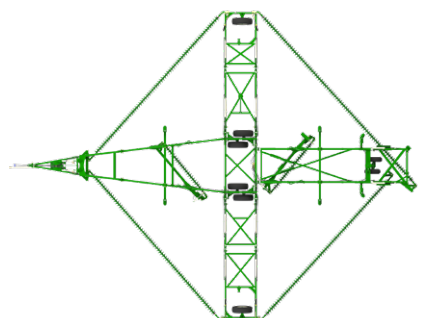
TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
13.9 (L) x 3.5 (W) x 3.8 (H)	13.6m	12.4m	5545kg	12.8ha/h	200HP (150kW)



MODEL 4614

The popular Model 4614 is designed with upsized jockey wheels, a high-strength reinforced frame and optional dual outer wing wheels for improved flotation. This heavy-duty model has higher underframe clearance for terrace work and high residue loads. The Model 4614 is compatible with the KELLY Seeder, an airseeder unit made for cover crop establishment.

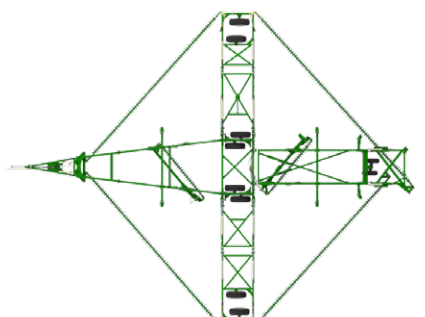
TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
17.2 (L) x 3.9 (W) x 3.9 (H)	15m	14m	7800kg	14.3ha/h	230HP (170kW)



MODEL 6218HDX

The powerful Model 6218HDX is built for taking care of business. With twin drawbar cylinders, load-sharing axles and optional outer wing dual wheels, this heavy-duty model has exceptional durability. The Model 6218HDX has higher underframe clearance for rolling over terraces.

TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
22 (L) x 5 (W) x 4.8 (H)	19.4m	18.1m	13420kg	18.5ha/h	310HP (230kW)



MODEL 8024

The Model 8024 is the largest KELLY model. Building on the enhanced durability and features of the Model 6218HDX with a 24.4m cut width and 16.8 tonne frame, this machine covers ground like nothing else. Shallow tillage doesn't get any bigger than this!

TRANSPORT DIMENSIONS (m)	OPERATING WIDTH	CUT WIDTH	FRAME WEIGHT	PERFORMANCE (AT 12km/h)	MIN. POWER REQUIRED*
27.9 (L) x 7.5 (W) x 4.5 (H)	25.8m	24.7m	16800kg	24.9ha/h	400HP (295kW)

KELLY

DISC CHAINS

With the inbuilt versatility afforded by different chain configurations, the KELLY Tillage system becomes a year-round tool for seedbed preparation, weed control, residue management and more.



Scan to learn more about KELLY Disc Chains.



CL2 Disc Chain

A powerful disc with a replaceable cutting blade, built for rough conditions and heavy stubble. The sharp edge of the heavy-duty CL2 penetrates the toughest of soils, while the weight and shape of the boss keeps the disc cutting and limits the working depth.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
24kg	110kg/m	25°	360mm	220mm	5mm



K4 Disc Chain

A mid-weighted cutting disc built for enhanced weed control, especially effective in loam soils. The sharp edge of the replaceable K4 blade pulls weeds from the soil, flipping them over and leaving them on the surface to die. Farmers using this method have reported over 90% reductions in weed density.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
11kg	72kg/m	25°	330mm	160mm	4mm



SD49 Disc Chain

SD49 is fast and effective. The light touch breaks clods, levels soil, airs the surface and plucks out weed seedlings. The rolling spikes lift residue and weeds to the surface, making SD49 ideal for pre or post seeding clean up. The shallow working depth makes SD49 Disc Chain light to pull, allowing it to cover more hectares more quickly.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
10kg	80kg/m	20°	317mm	125mm	20mm



CL1 Disc Chain

With extraordinary wear life and unmatched versatility, CL1 Disc Chain is the ideal tool for stubble management. The CL1 works at a constant, shallow depth for weed control and levelling, while retaining subsoil moisture and protecting soil structure to give farmers a perfect seedbed for planting.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
11kg	70kg/m	35°	323mm	163mm	8mm



R300 Disc Chain

The sand specialist. The close spacing of the R300 reduces penetration, improving performance in light soils. Closer disc spacing offers complete coverage when working shallow for improved surface levelling and a smooth, even seedbed.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
9kg	73kg/m	35°	325mm	125mm	8mm



W36 Disc Chain

The highly durable W36 works wonders in wet weather. Used alone or in combination with another Disc Chain, the shallow and smooth surface of the W36 performs in wet and sticky soils like nothing else can. This Disc Chain also benefits from a lighter weight, resulting in reduced power requirements for effective operation.

UNIT WEIGHT	CHAIN WEIGHT	DISC CONCAVITY	DIAMETER	SPACING	THICKNESS
9kg	55kg/m	25°	325mm	165mm	8mm



Prickle Chain

KELLY Prickle Chain is well-suited to levelling tilled soil, managing lighter stubble loads and incorporating pre-emergent herbicides. Weighing only 25kg/m, this chain has minimal horsepower requirements and a higher working speed than other chains in the KELLY range.

CHAIN WEIGHT	CHAIN LINK LENGTH	BLADE THICKNESS
25kg/m	90mm (132 spikes per metre)	20mm








Built For Your Farm

Disc Chains offer many of the benefits of a traditional tillage pass without the associated drawbacks. By minimising aggression through reduced weight and shallow working depth, a KELLY preserves the soil structure and protects subsoil moisture. Designed with a careful balance of chain weight and disc spacing, each KELLY Disc Chain provides optimal results for soil health without compromising on fuel economy.








The right disc for the job.

Each KELLY chain is designed for a different application and soil type; the weight, working edge, chain spacing and disc concavity of the different discs are prescribed to match a wide range of seasonal shallow tillage requirements.

With the inbuilt versatility afforded by different Disc Chain configurations, the KELLY Tillage system becomes a year-round tool for seedbed preparation, weed control, residue management, cover crop termination and more.

							
Application	PCH	W36	R300	CL1	SD49	K4	CL2
Seedbed preparation (fine tilth)	○	●	●	●	●	●	○
Levelling ruts & ridges	○	●	●	●	●	●	●
Weed control	×	○	○	○	○	●	●
Light stubble work (<3t/ha)	●	●	●	●	●	●	●
Medium stubble work (3-6t/ha)	○	○	○	●	●	●	●
Heavy stubble work (>6t/ha)	×	○	○	○	○	●	●
Cover crop termination	×	○	○	○	×	●	●
Fertiliser incorporation	○	○	○	●	●	●	○

× = not suitable ○ = suitable ● = high performing

							
Soil Type	PCH	W36	R300	CL1	SD49	K4	CL2
Sand (dry)	●	○	●	○	●	○	×
Sand (wet)	●	○	●	○	●	●	×
Sandy loam (dry)	●	●	●	●	●	●	●
Sandy loam (wet)	●	●	●	●	●	●	●
Loam (dry)	●	●	●	●	●	●	●
Loam (wet)	●	●	●	●	●	●	●
Clay loam (dry)	○	●	○	●	●	●	●
Clay loam (wet)	○	●	○	●	●	●	●
Clay (dry)	×	○	×	●	●	○	●
Clay (wet)	×	●	×	○	●	●	●

× = not suitable ○ = suitable ● = high performing

Better Tillage. Better Tomorrow.

Cutting Back On Chemicals

NAME:	Lance Wise
LOCATION:	QLD, Australia
FARM SIZE:	1650ha
SOIL TYPE:	black clay and red ridge soils
CROPS:	sorghum, wheat, barley, chickpeas and mung beans
MODEL:	Model 3009 and Model 40
CHAINS:	CL1 Disc Chain, CL2 Disc Chain and SD49 Disc Chain



Pictured: Lance Wise (left) with KELLY Model 3009

Wise has been able to cut out three to four sprays per year, and weed pressure on his farm has decreased significantly.



Pictured: SD49 Disc Chain

Lance Wise has four KELLY harrows (two Model 3009s and two Model 40s), which he uses on his own farm as well as renting them out to others as part of his dry hire business. He first purchased a KELLY as a way to supplement his weed control. He uses the Disc Chains together with herbicide as a cheap 'double knock' that doesn't contribute to chemical resistance. This process helps him to kill a higher percentage of weeds at a lower cost. The KELLY has been effective at controlling herbicide resistant feathertop Rhodes grass and fleabane, especially on Wise's black clay soils.

Wise has found that the KELLY kills 85-90% of weeds when used before spraying herbicide. When paired with a light spray, he estimates that weed kill goes up to 99%. Since integrating the KELLY into his weed control program Wise has been able to cut out a total of 3-4 sprays per year.

Wise also uses the KELLY to help soil moisture levels. Improving water retention is the biggest challenge for Wise, who has begun to use subsoil ripping to increase water holding capacity. The KELLY aids in this process by levelling the field after ripping, mitigating damage to the seedbed and increasing the tilth.

KEY FINDINGS

- A combination of shallow surface tillage and subsoil ripping has led to reduced weed pressure and increased water retention.
- An integrated approach to weed control has reduced weed pressure and allowed Wise to cut out 3-4 sprays each season.
- Levelling the seedbed with a KELLY has increased working speed for all field operations.
- Managing stubble with the KELLY has led to improved crop establishment.

Customer Testimonials



“ From our perspective, in this country the KELLY is such a versatile tool because it'll handle rocks, it handles most ground conditions, and is extremely efficient.

We're doing 10 hectares an hour and our **fuel cost is practically nothing**, cultivation costs are less than 20 bucks a hectare.

It's insane compared to other machines.

Simon Burgess
Conara, TAS



“ We have owned a KELLY Disc Chain for 4 years and consider it the most versatile and useful bit of farming plant we have ever owned.

It has become an **integral part of our farming system** and with the recent upsurge in fleabane and wild radish it is giving us weed control where chemicals are in trouble.

For pre seeding weed control, ground levelling and seedbed preparation it is unique and we have no hesitation in recommending it.

Alan Klante, Alan Klante Nominees
Nyngan, NSW



“ We bought the KELLY because we'd started looking at weed control and trash management, and were convinced that if we didn't start doing some light mechanical tilling we'd run into resistance problems in summer sprays.

The machine is doing a lovely job of mulching the soil down but also taking out those summer weeds.

We're getting a very good germination when sowing, with **better seed/soil contact**... we're absolutely rapt with the job that it's doing.

David Gillett
Anakie, VIC





Scan to hear
from KELLY
customers.

“ The KELLY has changed a lot of the paradigm of how we grow some of our crops. The immediate benefit was less horsepower, less fuel and all of that.

We've come to understand that the **benefits are also soil related**.

We're not working our soil more than an inch deep, and compaction issues are reduced.

We've covered a lot of acres and the wear has been phenomenal.

Davis Farms
Kentucky, USA

“ The main reason we purchased this machine was to reduce our spending on chemicals.

By doing some testing, we found that we had **improved emergence**, improved seed germination and savings in fuel.

Green vegetation index imaging showed further improvements in seeding and plant health.

This led to us acquiring a second machine to incorporate the rest of our land.

Jenaro Valinotto
Córdoba, Argentina

“ One of the biggest results I've seen in a short space of time is an improvement of our seedbed.

In addition to that it's the improved stubble management and improved weed control.

Last year we **cut out a spray on our entire farm** because we used the KELLY.

With more experience, I think we can cut out further sprays.

David Evans
Free State, South Africa



Save on fuel, labour and herbicide.

Ask what a **KELLY** can do for your farm.



Scan to contact
KELLY for pricing
and availability.

Australia

Booleroo Centre

684 Kelly Road,
Booleroo Centre SA 5482

+61 8 8667 2253

Monday - Friday
8am - 4pm ACDT

Adelaide

28 Greenhill Road,
Adelaide SA 5034

+61 8 8667 2253

Monday - Friday
8am - 4pm ACDT

Global Locations

United States

Hood & Company

Eastern Canada

Leading Edge Equipment
www.leadingedgeequipment.ca

Western Canada

Adair Sales & Marketing Co Inc
www.adairreps.com

South Africa

Desmond Whitfield CC

Europe

kellytillage.com

Argentina

Giorgi Sa Maquinarias Agricolas
www.giorgi.com.ar

KEBR003au-F-07022024

KELLY

Email sales@kellytillage.com
kellytillage.com

Head Office (Australia)
+61 8 8667 2253

Global Locations
Visit our website for contact details

