

# SERIES SDF

DEUTZ-FAHR

KIWI PRO  
5090 DF ECOLINE



  
**KIWI  
PRO**

AGROPLUS DF ECOLINE //

  
**DEUTZ  
FAHR**

# // AGROPLUS DF ECOLINE

Tailored specifically for superior comfort in canopy work.

In such a niche industry such as Kiwifruit, finding quality European tractors that can cater for the specific requirements is no easy task. Fortunately, Deutz-Fahr NZ have answered the call from growers throughout the country to offer a tractor that is fit for purpose in the canopies of the Kiwifruit Orchards.

The Kiwi Pro uses Deutz-Fahr's Ecoline range as the basis of this specialised product which is, in its own right already an exceptionally capable machine. Chosen for its powerful performance, the DF Ecoline consists of two Kiwi Pro models. The 5090 is a powerful 3-cylinder machine suitable for orchards that prioritise maneuverability while still offering a substantial maximum output of 88HP. The 4-cylinder 5105 offers a maximum output of 102HP with a 130mm longer wheelbase than the 3-cylinder model. Both tractors feature four-wheel braking as standard making the ecoline range a safe and dependable unit suited to forklift and haulage applications. The heavy transmission assembly offers up to 2,800kg lift capacity\*. The 45 l/min hydraulic pump combined with an independent steering pump ensures these tractors are as versatile as they are robust.

This tractor offers an excellent foundation for the Kiwi Pro model. The local modifications and engineering with input from industry experts and operators make the Kiwi Pro really stand out amongst the crowd.



## HIGHLIGHTS

- > 3 and 4 cylinder options
- > Up to 102HP
- > Stage 3 engines (No Adblue)
- > Powerful hydraulics
- > Tailored specifically for New Zealand conditions

\* Available on the Kiwi Pro 5105.





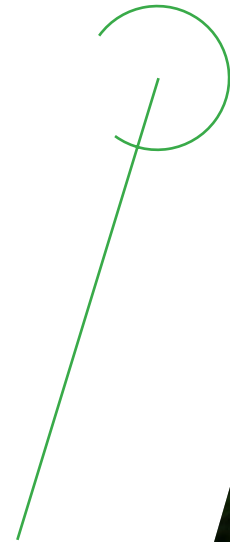
# // DRIVER'S PLATFORM

## Comfortable and practical without compromise

Deutz-Fahr's colour coded operator platform makes it simple to decipher controls. Consistent orientation and layout make it a well suited machine for fleet applications with multiple operators. All drive and transmission controls are identified in orange whilst hydraulics are blue, hitch is green and PTO is yellow. The transmission levers in close proximity to the operator on the right hand side provide an intuitive layout.

All other controls are positioned in-line with the seat or on the dash to allow for quick and easy access on and off the operators platform. Also for optimum comfort not only has the floor-plate been lowered, the pedal configuration has been adjusted to make sure they're in the most comfortable position for the driver.

The dashboard with a combination of digital and analogue dials provides clear information to the operator.



> Driver seat and seating position extremely comfortable (750mm).



> Adjustable steering column for enhanced operator comfort



> All controls are clearly color coded...

# // ENGINE TRANSMISSION AND BRAKES

Light and agile for maximum maneuverability without compromising output. The choice is yours.

The Agroplus 5090 DF Ecoline Kiwi Pro is powered by the high-torque FARMotion 2.8l Stage 3B engine while the Kiwi Pro 5105 features the FARMotion 3.8l Stage 3B engine. The base engine block is tried and tested having been used in SDF products for a number of years, not only in the specialist sector, but also in the larger agricultural range. The engines are known for their broad power band where maximum torque is achieved at just 1600 RPM. The Kiwi Pro 5105 achieves a maximum power output of 105HP and a max torque value of 408Nm. Maximum power is developed at 2,200 RPM through the use of a turbo charger and intercooler.

The transmission is a 30F/15R speed box with five gears, three ranges and an underdrive gear for increased speed accuracy when working with PTO driven equipment. The true four-wheel braking system provides superior stopping power whilst also giving the ability to disconnect the front brakes through an easily accessible valve located under the steering column. This can allow the operator to use side brakes for greater control or sharper turning on tight headlands.



> Rugged and durable both in the field and on the road the front axle also offers a 60° steering angle.



> Latest transmission technology in a five-speed three range gearbox with underdrive.



> Driven by high torque and economic FARMotion Stage 3B engine

# // LIFT, HYDRAULIC AND PTO

Developed and modified locally to specifically suit NZ kiwifruit industry requirements.

Using industry knowledge and local engineering, Deutz-Fahr New Zealand have adapted this European tractor to specifically suit the requirements of the New Zealand kiwifruit Industry. Talking with growers and operators from within the industry, the key area of importance was a low seat height without compromising operator comfort. When working under canopies, particularly late in the season when fruit is hanging low, a low seat can save hours of discomfort for the operator. Deutz-Fahr New Zealand have made a number of modifications to perfectly tailor a tractor that outshines any other tractor on the market.

**Smaller wheel equipment:** The Agroplus DF Ecoline's standard wheel equipment is swapped out for 27/10-15.3 wheels on the front and 365/70R18 wheels on the rear.

**Rolled steel guards:** New guards have been manufactured to lower their height and remove unnecessary excessive space around the wheels.

**Lowered seat:** The operators seat is lowered to give a total height from the ground to the base of the seat of just 750mm.

**Underbody protection:** A bash plate is added to the underbody to protect from branches and other objects catching when mulching, etc. This also includes protection of electrical components including the throttle body.

**Lowered foot plates:** The foot plates have been remanufactured to offer a more comfortable operator position, meaning the operators legs sit naturally with the lower seat position. In addition 'Sea Dek<sup>®</sup>' matting has been applied to reduce noise and vibration through the footwell.

**Relocation of hydraulic controls:** A bracket and control box has been manufactured to allow more comfortable use of hydraulics and keeping all controls close to hand

**Side rail protection:** Protects the hydraulic controls from branches/snags, etc.



## HIGHLIGHTS

- > Smaller wheel equipment
- > Rolled steel guards
- > Lowered seat
- > Underbody protection
- > Lowered foot plates
- > Relocation of hydraulic controls
- > Side rail protection



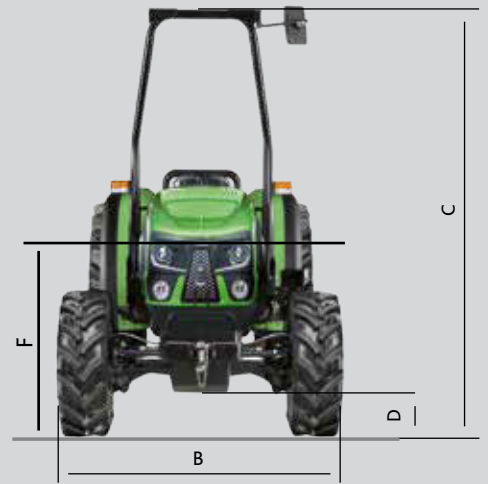
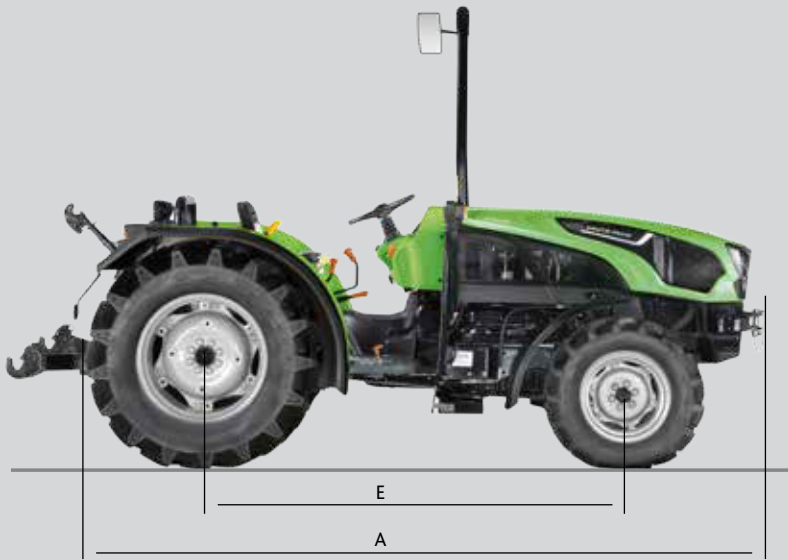
> Lowered seat and foot plates.



> New hydraulic control arrangement.

TECHNICAL DATA		5090 DF Ecoline	5105 DF Ecoline
<b>ENGINE</b>			
Emissions		Stage 3B (Tier 4i)	Stage 3B (Tier 4i)
Manufacturer		SDF	SDF
Model		FARMotion	FARMotion
Cylinder / Displacement	No./cc	3/2, 887	4/3,849
Turbo Intercooler		•	•
Max. power (ECE R120)	kW/HP	65/88	75/102
Power at rated engine speed (ECE E120)	kW/HP	61.5/83	71.5/97
Maximum torque	Nm	354	408
Electronic engine control		•	•
Fuel tank capacity	litres	55	55
<b>SHUTTLE</b>			
Mechanical Synchronised Shuttle		•	•
<b>MECHANICAL TRANSMISSION</b>			
5-speed gearbox		•	•
Number of speeds with underdrive	No.	20 + 10	20 + 10
Number of speeds with supercreeper gear	No.	30 + 15	30 + 15
<b>REAR PTO</b>			
Mechanical control		•	•
PTO 540		◦	◦
PTO 540/540ECO		•	•
PTO 540/540ECO/1000		◦	◦
Ground PTO		◦	◦
<b>AXLES</b>			
Front wheel drive electronically engaged		•	•
Electronically engaged differential lock		•	•
<b>STEERING AND BRAKES</b>			
Four wheel braking system		•	•
Independent parking brake		•	•
Hydraulic brake valve		◦	◦
Hydrostatic steering with independent pump		•	•
Axle steering angle	degrees	60°	60°
<b>HITCH</b>			
Mechanical rear hitch		•	•
Rear lift capacity	kg	2,600	2,800
<b>HYDRAULIC SYSTEM</b>			
Fixed displacement pump	L/min	45	45
Auxillary rear control valves	Number	3	3
<b>DRIVER PLATFORM</b>			
Platform		•	•
Digital display		•	•
Safety frame		•	•
Driver seat		•	•
<b>DIMENSIONS AND WEIGHTS</b>			
Tyres		27/10-15.3 TVS 365/70R18	27/10-15.3 TVS 365/70R18
Max. length (A)	mm	3,829	3,942
Rear width (min-max) (B)	mm	1,600	1,600
Height at safety frame (C) ROPS up	mm	2,150	2,150
Ground clearance (D)	mm	200	200
Wheelbase (E)	mm	2,011	2,141
Seat Height (F)	mm	750	750
Total unladen weight	kg	2,620	2,770
Maximum permissible total weight	kg	5,000	5,000


●: Standard ◦: Optional -: Not available





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   Deutz Fahr NZ

DEUTZ-FAHR is a brand of  SDF



The grass is greener.