

# NOVA COMBI

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# THE BEST SEED AND FERTILISER DRILL FOR ALL CONDITIONS.



Nova Combi is a general seed and fertiliser drill for all seeding methods and all soil types. The machine is suitable for direct seeding as well as for minimally tilled and traditionally tilled soil.

Nova Combi, with its unparalleled seeding accuracy and economy, has been hugely successful in tests and competitions around the world.



#### **COST SAVINGS**

- With low pulling resistance and no non-rotating parts, the machine is pulled easily even with tractors of less than 90 hp.
- Substantial savings in fertiliser with fertiliser-side tramlining device.

#### **SEEDING DEPTH IS ALWAYS ACCURATE**

- The field surface variations (grooves, furrows, etc.) do not affect the seeding depth, neither in the driving nor sideways direction.
- The hopper's filling level does not affect the seeding depth.
- The sowing speed does not affect the seeding depth.

#### **NON-BLOCKING HEAVY-DUTY COULTERS**

- Heavy-duty coultter arms.
- Coultter pressure can be adjusted during the drive  
Maximum pressure 200 kg per coultter.

#### **EASY TO ADJUST AND USE**

- Working depth is easily adjusted from the front of each pair of coultters.
- The easiest and quickest calibration on the market:  
Just one turn of a crank into side-pull troughs.

# ROBUST, BUT ECONOMICAL.

Low pulling resistance saves fuel as much as 5 litres per hectare.

## UNPARALLELED POWER AND ECONOMY.

In Nova Combi seeds and fertiliser are fed into the same coulter, but the double-disc solution developed by Tume keeps them apart.

Because there are no separate fertiliser coulters and all parts of the double-discs working in the soil rotate, the pulling power requirement of Nova Combi is up to 30 % lower. Low pulling resistance saves fuel up to 5 litres per hectare and if you switch to Nova Combi you don't necessarily need to upgrade your tractor to a stronger one.

The maximum coulter pressure in Nova Combi is sufficient in all conditions, about 200 kg.

**NOVA COMBI DOUBLE DISC COULTER, WINNER OF THE INTERNATIONAL ELMIA AWARD.**



## PRECISE SEEDING DEPTH ALWAYS AND IN EVERY SITUATION.

Seeding and fertilising depth is adjusted with a large wheel in front of each coulter unit. This wheel also compacts the soil.

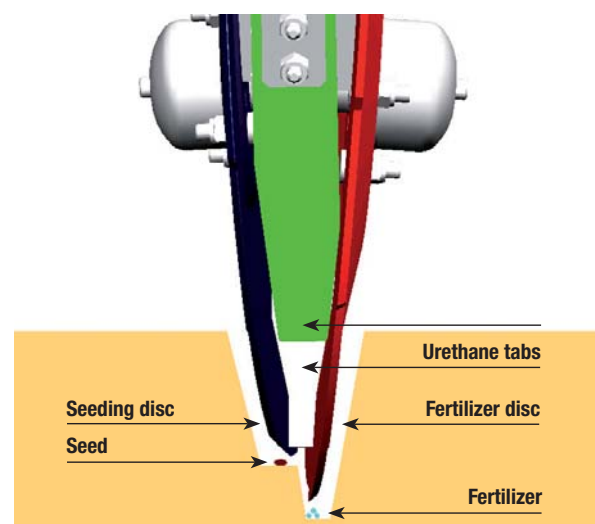
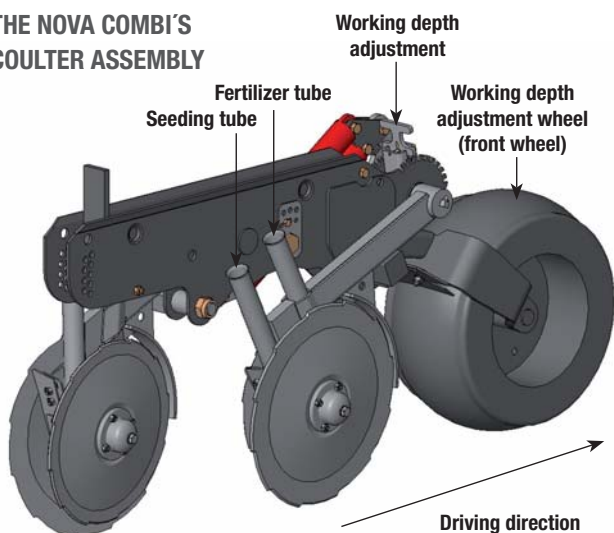
Since the steering takes place ahead of the coulters, there is enough time to adjust the working depth to match to the soil level variations. Neither the seed furrow of the coulters nor, the driving speed or the filling level of the hoppers have no effect on the sowing depth.

The front wheel compacts the soil ahead of the coulter ensuring non-blocking operation and seeding into intact soil.

**ADAPTIVE COULTERS ENSURE THE CORRECT SEEDING DEPTH.**



### THE NOVA COMBI'S COULTER ASSEMBLY



### DURABLE AND ROBUST COULTER STRUCTURE.

The furrow is not wider than needed due to the convex profile of the discs. The stone-rejection system on each coulters ensures that the discs can withstand even the hardest conditions.

The outside perimeters of each pair of discs are notched and the discs have slightly different diameters, improving rotation, self-clea-

ning and soil penetration. No separate cleaning scrapers are needed. Urethane plates between the discs keep the fertiliser and the seed separate and prevent depth variations.

Nova Combi retains the proven standard row width of 125 mm.

# TRIED AND TESTED TECHNOLOGY MODERN AND EASY TO USE.

Nova Combi is reliable, easy to control and saves with fertiliser costs.



**THE DRAWBAR CAN BE MOUNTED  
IN THE UPPER POSITION FOR APPLICATIONS  
SUCH AS CULTIPACK COMBINATION.**

## **SUPERIOR TECHNOLOGY.**

Nova Combi's reliability is proven by its success in Norway, Sweden and elsewhere in Europe, where the conditions are often very demanding and the areas to be seeded are large.

Tume is known for its accurate, long-lasting feeding systems. The feeding system employs a large ground wheel mounted on the side of the machine. The hopper's filling level does not affect the seeding depth.

Nova Combi has a drawbar which can be switched into two positions as a standard accessory. The top position is used for devices such as CultiPack cultivator, for example.

Nova Combi is fully equipped with calibration test equipment for both fertiliser and seed. The calibration is the easiest and fastest on the market.

The large-diameter tractor-patterned wheels allow extra space between each tyre so that the soil will not begin to collect in front of the tyres and soil can fall off.





**THE TRANSPORT WIDTH OF NOVA COMBI 3000 IS ONLY 3 METERS.**



**ONE SCREEN DISPLAYS ALL FUNCTIONS.**



**AGROCONT COMPUTER CONTROL IS A STANDARD ACCESSORY.**

It is easy to monitor and adjust the work during the drive straight from the cab.

It is easy to manage the functions of a modern seed and fertilizer drill with AgroCont computer controller: Tramlining for the seed and the fertilizer, hopper level controls, axle rotation controls, marker operation (including pre-emergency markers), area counters, coulter pressure adjustment and the so-called half-lift.

AgroContPlus, available as an optional accessory, has the same features, plus electronic remote control for the fertilizer.

**LARGE HOPPERS, SMALL TRANSPORT WIDTH.**

The total volume of the Nova Combi easy-to-fill hoppers is over 1,000 litres per one meter of working width.

The hopper is divided into two compartments with an adjustable divider wall between them. It is easy to fill the hopper because the filling doors are large (also in the driving direction) and the tarpaulin covers can be rolled open. Sieves for both the seed and the fertilizer hopper are standard accessories with Nova Combi.

The overall width of Nova Combi is the same as the working width, 3 or 4 meters. Nova Combi can easily be transported from one field to another without problems.



**TRAMLINING DEVICES NATURALLY AVAILABLE FOR FERTILIZER TRAMLINING AS WELL.**

Tume pioneered the first tramlining devices for fertilizer use. Tume's patented method creates significant, sustained savings in fertilizer costs.

Fertilizing empty lines is costly and unnecessary placing a heavy burden on the environment. Tume's tramlining device reduces fertilizer costs by 4% on average, which translates into hundreds of euros in savings per year.

**ROBUST WHEEL SET, ADAPTIVE SET OF COULTERS.**



# ADD TO THE VERSATILITY WITH ACCESSORIES.



Middle packer



Front levelling board



Hydraulic markers  
Grass seeders  
Rear harrow



CultiPack cultivator

## TECHNICAL INFORMATION Nova Combi

	3000	4000
Hopper capacity, l	3250	4500
Working width, mm	3000	4000
Weight (unloaded with standard accessories), kg	3750	5475
Traction power required, hp/kw	90/66	120/88
Double-disc coulters	24 discs, Ø 360/400 mm	32 discs, Ø 360/400 mm
– Pressure range	40–200 kg	40–200 kg
– Runtime weight adjustment	Standard feature with AgroCont	Standard feature with AgroCont
Working depth adjustment wheels	12 wheels	16 wheels
– Tyre size	18,5 x 8,50 – 8 AW	18,5 x 8,50 – 8 AW
Fertiliser/seed feeder	Fluted rollers, 100 positions	Fluted rollers, 100 positions
– Bottom valves	Adjustable, with springs	Adjustable, with springs
– Feeder usage	Ground wheel on the side of the machine	Ground wheel on the side of the machine
Support wheels	12 wheels, in groups of two	12 wheels, in groups of two
– Tyre size	Adaptive structure 7,50 – 16 AS	Adaptive structure 7,50 – 16 AS

**Standard equipment:** AgroCont computer controller // Steps front and back // Fine seed option // Hydraulic Nova Combi combination drawbar // Fertiliser and seed sieves // Tarpaulin cover // Adjustable divider wall between hoppers // Calibration equipment for seed and fertiliser // Lighting equipment

**Optional accessories:** AgroContPlus computer controller // Hydraulic markers // CultiPack cultivator // Middle packer // Seed dressing device // Grass seeders // Covering discs behind coulters // Agitators for fertiliser and seed // Rear harrow // Extra rear railing // Self-rolling tarpaulin cover for the hopper // Hybrid cassette Z12-Z46 // Pre-emergency markers // Extra front steps // Front levelling board

**TUME**

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