

Simtech T-Sem Grass



The simplest and most versatile drill on the market at an affordable price

The T-Sem Grass is a further development of the renowned New Zealand pasture T-slot drill. Strongly built and able to cope with the extremes that livestock farming encompasses. These drills offer a number of design benefits that make them not only better at what they do, but also easier for the operator to use, both for calibration and depth control.



This is a European drill built with the varied demands of the modern livestock farmer in mind. You can sow any seed into any surface - clovers, grasses, brassicas, cereals, pulses, maize and all mixtures into grassland, stubbles, ploughed and/or cultivated land and direct into standing cover crops.

Offering a 2 model range, the T-Sem Grass is suitable for most lowland and upland livestock farming situations, as well as smaller scale arable farms, offering a much greater range of options than any conventional drill.



any seed



any surface

The T-slot principle

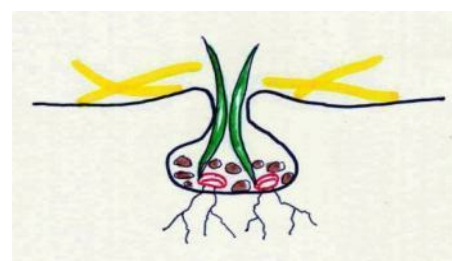
The principle of the inverted T-slot is simple and effective, giving unmatched results in all situations - any surface, every soil type and all climatic conditions.

A set of discs at the front of the drill pre-slices an opening in which the T-Sem boot then passes to create the ideal seed-bed in bands.

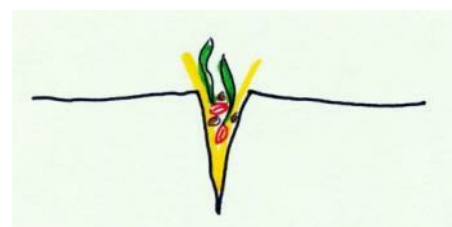
The shoe sheds the vegetation and prunes the roots of the existing vegetation. The seed is placed on the firm base of the T-slot so that it is in good contact with the moisture rising by capillary action.

The horizontal slicing action of the wings of the shoe means that each side of the slot falls back after the tine has passed, but the chamber remains slightly open. The micro-environment thus created allows the light and moisture to enter but retains the warmth. The consistent placement of the seed in this mini-greenhouse gives optimum conditions for an even germination, and the tilth within permits rapid root development of the young seedlings.

This explains why the plant establishment is so positive, even in an often hostile environment in the presence of living vegetation, as in a pasture rejuvenation, or dying vegetation, in an arable direct-drilling context.



Excellent germination + better root development = exceptional plant establishment



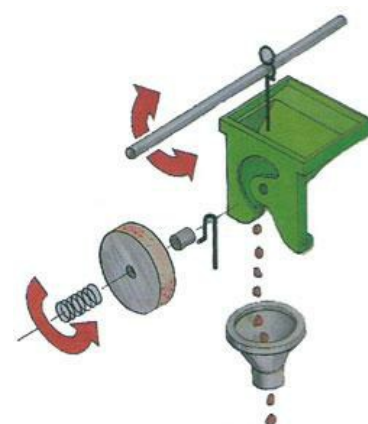
The slot made by a disc is not an ideal environment for either the germination or the root development of tender young seedlings.

Sponge feed metering system

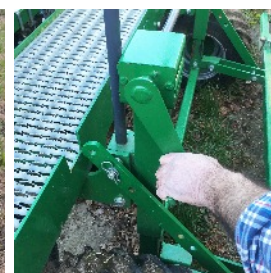
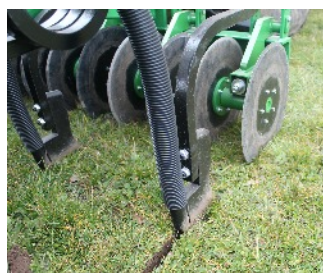
T-Sem Grass drills are equipped with the sponge-feed system to distribute seed. This is extremely accurate, is kind to the seed and is unbelievably versatile.

A sponge disc feeds the seed down a tapered groove and meters it into a funnel and then a flexible hose, through which the seed falls by gravity to the base of the inverted T-slot. This simple system allows very low seed rates of small seeds, such as white clover at 2kgs/hectare, to over 400 kgs/hectare of field beans.

Very complex mixtures of large and small seeds of different shapes can also be sown together. The design of the seed hopper means that such mixtures retain their integrity until the seedbox is empty, and the fact the the T-slot remains open allows seed of varying sizes to successfully germinate and flourish when sown at a common depth.



Model	Working Width	Transport Width	Number of Rows	Row Spacing	Hopper Capacity (litres)	Overall Weight (kg)	Power Requirement
TSG 240	2.4m	2.5m	16	15cm	410	1220	60hp
TSG 300	3.0m	3.0m	20	15cm	500	1440	80hp



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