



imants
Digging the future

46 SERIES



Options

Packer roller (P)
The packer can be used to keep the machine running smoother and a light consolidation is desired. It will also leave the soil more level.



3-Point hitch/ lift (L)
The 3-point hitch is able to carry implements with cat II. It can be a PTO driven or non driven machine.



Clad rake
Optional is a clod rake at the back side of the machine. This rake levels the spaded soil and will break clods and is adjustable.



Rotating skids
These skids are for depth control. The height is easily adjustable by a spindle and locked with a bolt to secure the position. Springs will ensure a constant pressure on the soil. They come as a set of two.

Model	Working width	Working depth	Number of spades	Maximum speed	Required horsepower	Maximum horsepower	Weight
46..300	300 cm	15-30 cm	24	5 km/h	125 hp	225 hp	2150 kg
46..350	350 cm	15-30 cm	28	5 km/h	150 hp	225 hp	2320 kg

For more information or a demonstration please contact Imants or consult our website www.imants.com



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Lower costs Intensive way of working the soil Less fuel consumption Less compaction
Greater incorporation **Multi-action combinations** Better soil structure **Various circumstances**
Single pass operation No plough pan Changeable spadearms Higher workrate

imants[®]

Digging the future

46 SERIES

Multifunctional Imants rotary spader

The 46 series is developed for the heaviest clay soils as well as lighter/sandier soils when equipped with different spade arms. The latest changes means spading becomes even more attractive since the machine can be equipped with a PTO driven implement.

Concept of the machine

New award-winning design with striking yellow stripes on the blue and black machines give them a unique appearance. Heart of the 46 is the spadeshaft which will do the primary tillage. It's driven by the tractors PTO shaft @1000 rpm and is build for tractors between 125 and 250 engine hp.

The spadeshaft is driven on one side with a gearbox. No chains on this machine! That's not all! There are various ways to mount different implements. For example a packer roller, rotovator, power harrow or bed shaper.



Primary and secondary tillage in one pass! In combination with a drill or a planter cost reductions are even greater. Because of the numerous possibilities this machine is THE alternative to conventional tillage.

Working depth may vary between 15 and 30 cm (6-13") The 46 comes in 3 and 3.5 m (10'and 11.5") working width. Maximum working speed is 5 km/u (3.1 m/h)

The spaders are mounted in the 3-point hitch of the tractor. Lowering the implement will get it to work the soil. When equipped with the packer roller the weight of the machine can be carried partly with it. Skids are mounted in front of the machine to control depth. The packer will also create a light consolidation maintaining the open structure of the soil.

Rotary spading in general

Due to the expansion of farms and the rising fuel prices it is extremely important to choose machines with high efficiency and fast work rates to reduce costs. Imants incorporates these ideals into their spaders by working the soil intensively and homogeneously. When using the rotary spader the soil is thoroughly tilled without destroying the soil structure. The soil is spaded and huge amounts of organic matter can be incorporated. Organic matter is mixed into the top layer where oxygen is available and micro-organisms are able to break down the organic matter easily. This way straw, corn stubble, green manure and compost can be evenly mixed and provide the soil with the necessary nutrients.

The unique construction of the spader won't create a hard or plough pan. Therefore there will be a better capillary action and water management so that nutrients and minerals are easily available to the plants.

Due to the fact that the rotating spade shaft pushes the spader forward there is no wheel slip and smearing and the tractor drives on top of the soil instead of in the furrow as with ploughing.

The spader eliminates all the compaction and makes a perfect seedbed. All with less fuel consumption per hectare.

Time reduction through combined actions

By combining machines with the spader there are even more savings to be achieved. The productivity per hour of the driver rises as the number of passes declines! Combining the spader with a seeder or planter reduces the number of passes over the field. That way avoiding compaction!

The central gearbox has an 1 3/8" 6 splines outputshaft which can take a pto shaft for a 1000 rpm implement.

It's easy

The 46 is available with various spadearms. This to be perfectly equipped for various circumstances. Clay, sand, wet, dry, hard, soft or sticky! Standard the machine comes with scraper bars to prevent the soil from sticking on the shaft. They can be removed when desired. The 'standard' machine is equipped with a hydraulic cylinder to be able to raise the back of the spader during transport. Between the central gearbox and the gearbox on the side is a PTO shaft with torque limiter which protects the spader against hidden objects. Rubber flaps at the back of the machine will prevent soil flying around. The spader is powder coated; two skids in the front are standard as well as LED road lights.

Various blade options

Depending on the soil type and / or circumstances the right blades can be chosen.

