

DISC SPREADER

THE TRUSTED CLASSICS



VERSATILE IN USE

Use the APV Disc Spreader for example in the following combinations



(GRASSLAND) HARROW



CULTIVATOR



VINEYARD CULTIVATOR



SLURRY OUTPUT



SELF-PROPELLED SPRAYING DEVICE

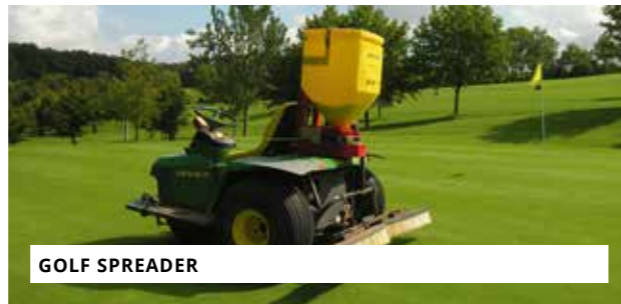


CAR TOWING HITCH

You may also use Single Disc Spreaders with the following vehicles



QUAD



GOLF SPREADER



HELICOPTER



MORE INFO ONLINE

Our entire range of products is available at www.apv.at/en.

Take advantage of the individual consultation with our sales team.

DISC SPREADER

THIS IS HOW DISC SPREADERS WORK

The plastic hopper ensures the low weight of the entire spreader. It includes the spreading material, which securely reaches the metering slider through an agitator. You can control the spread rate with the stepless metering slider. The spreading material falls on the spreading disc and is distributed equally across the working width. The speed of the spreading disc and thus the working width are easy to set from the driver's seat via the control box.



BENEFITS OF ALL APV DISC SPREADERS






- Fast and straightforward assembly
 - Optimal price-performance ratio
 - User-friendly due to the simple instructions
 - Ready to use at delivery: Extensive standard scope of delivery (cabling, control box, mounting parts, etc.)
 - Uniform distribution of the seeds across the desired working width
 - Comfortable operation:
 - Speed (rpm) measurement, regulation, and control via the control box
 - Setting the working width via the control box
 - No more firmly tapped spreading material thanks to the automatic start
 - Use the APV app to calculate RPM and disc setting without distribution tables
- Combined use possible with almost any soil tillage implement - this saves time and money!

KS 40 M2

THE DISC SPREADER FOR SMALL WORKING WIDTHS

The compact Mini Spreader KS 40 M2 is versatile in use thanks to its low weight. The seed hopper has a volume of 40 l for the output of low quantities of spreading material. Use the KS for the output of small seeds - such as for example seeding a lawn, cultivating catch crops (e.g., mustard), or for spreading slug pellets.

TECHNICAL DATA

	Working width.....	1 - 12 m
	Dimensions.....	H 60 cm, W 45 cm, D 60 cm
	Hopper capacity.....	40 l plastic hopper
	Net weight.....	19 kg
	Power data.....	12 V / 25 A

ITEMS INCLUDED

- Electric Control Box 2.10 with steel bracket for mounting in the driver's cab
- Complete spreader with electric spreading disc and adjustable throwing vanes
- 1 deflector, top link mounting, counter plate, agitator extension
- 3 m cable for power supply from the battery to the control box, 6 m cable from the spreader to the control box



YOUR BENEFITS

- Can be used with almost any implement¹
- Economical
- Low power consumption in operation
- Little space needed on the machine and for storage
- High quality control box (speed (rpm) measurement, regulation and control)
- Automatic start in the case of firmly tapped spreading material
- Straightforward adjustment of the working width from the driver's seat
- Large filling opening
- Practical and compact spreader
- Large standard scope of delivery. All important mounting elements are included!



FUNCTIONS OF THE CONTROL BOX 2.10

- Speed (rpm) measurement, regulation and control
- Automatic start in the case of firmly tapped spreading material
- Straightforward adjustment of the working width from the driver's seat
- Regulation of spreading disc and slider








¹ Note: Power supply of 12 V required

ES 100 M1 CLASSIC

THE PRACTICAL UNIVERSAL SPREADER

The Single Disc Spreader ES 100 M1 Classic is ideal for the output of catch crops (e.g.: mustard), grass seeds, nurse crops, slug pellets and similar granules. The working width can be adjusted to fulfil relevant requirements from the driver's seat via the control box. The seeding density can be quickly and easily set via a metering slider on the device.

TECHNICAL DATA

	Working width	2 - 24 m
	Dimensions	H 90 cm, W 52 cm, D 60 cm
	Hopper capacity	105 l plastic hopper
	Net weight	29 kg
	Power data	12 V / 25 A

ITEMS INCLUDED

- Electric Control Box 2.10 with steel bracket for mounting in the driver's cab
- Complete spreader with electric spreading disc and adjustable throwing vanes
- Spring dowel pin for extending the agitator for grass
- 3 deflectors, top link mounting, counter plate
- 3 m cable for power supply from the battery to the control box, 6 m cable from the spreader to the control box



YOUR BENEFITS

- Achieve a precise seed distribution also on small working widths due to the large adjustment range of the throwing vanes and the straight spreading disc.
- High quality control box (speed (rpm) measurement, regulation and control)
- Automatic start in the case of firmly tapped spreading material
- Straightforward adjustment of the working width from the driver's seat
- Large filling opening
- Hopper discharge port
- Multiple mounting options
- Large standard scope of delivery. All important mounting elements are included!



FUNCTIONS OF THE CONTROL BOX 2.10

- Speed (rpm) measurement, regulation and control
- Automatic start in the case of firmly tapped spreading material
- Straightforward adjustment of the working width from the driver's seat
- Control of spreading disc and slider



ES 100 M3 SPECIAL

THE SPECIALIST FOR SLUG PELLETS

The ES 100 M3 Special is the best Single Disc Spreader for the output of slug pellets. With the Special-Spreader you can achieve a working width of up to 28 m for the output of slug pellets. Furthermore, the ES 100 M3 Special is suitable for seeding catch crops, nurse crops, and grass reseeding.

TECHNICAL DATA

↗	Working width	up to 28 m (with "Metarex" slug pellets) ¹
✂	Dimensions	H 90 cm, W 52 cm, D 60 cm
🍃	Hopper capacity	105 l plastic hopper
⚖	Net weight	30 kg
🔌	Power data	12 V / 25 A

ITEMS INCLUDED

- Electric Control Box 3.5 with steel bracket for mounting in the driver's cab
- Complete spreader with electric spreading disc and 2 throwing vanes
- Spring dowel pin for extending the agitator for grass
- Top link mounting and counter plate
- 1.5 m cable for power supply from the battery to the control box, 6 m cable from the spreader to the control box



YOUR BENEFITS

- Best lateral distribution for slug pellets among all Single Disc Spreaders on the market (certified by the independent IRSTEA testing institute / proven by specialist publications)
- Precise spreading results on large working widths
- Adjustment of the spreading pattern through point of impact adjustment
- Large filling opening, hopper discharge port
- Automatic slider for headland management (various tractor linkage sensors possible)
- Precision dispersion plate (optional) for small working widths (1 - 4 m)

Tested by the
IRSTEA testing institute!



SENSORS

- Choose from among the following sensors:
- 7-pin signal cable
 - Accessory kit linkage sensor top link
 - Accessory kit linkage sensor chassis
 - Accessory kit linkage sensor pull switch
 - Accessory kit linkage sensor hydraulic



FUNCTIONS OF THE CONTROL BOX 3.5

- Speed (rpm) measurement, regulation and control
- Automatic start in the case of firmly tapped spreading material • Straightforward adjustment of the working width
- Hectare and operating hours counter; operating voltage display
- Various languages available
- Automatic slider (optional tractor linkage sensor)
- Calibration test and discharge function



¹ In order to reach a uniform distribution for a working width below 4 m, we recommend using a precision dispersion plate (see accessories)






ZS 200 M4

THE SLUG PELLETS SPREADER FOR LARGE WORKING WIDTHS

The Twin Disc Spreader ZS 200 M4 allows the spreading of slug pellets on a working width of up to 31 m. The output via two spreading discs ensures a symmetric spreading pattern. Furthermore, the ZS also offers a boundary spreading function. This means that the speed of the spreading discs can be reduced unilaterally.

In addition to slug pellets, the ZS 200 M4 can also be used for the output of catch crops (e.g., mustard), grass reseed, and nurse crops.

TECHNICAL DATA

	Working width.....	1 - 31 m (with Metarex slug pellets)
	Dimensions.....	H 85 cm, W 105 cm, D 70 cm
	Hopper capacity.....	200 l plastic hopper
	Net weight.....	50 kg
	Power data.....	12 V / 40 A

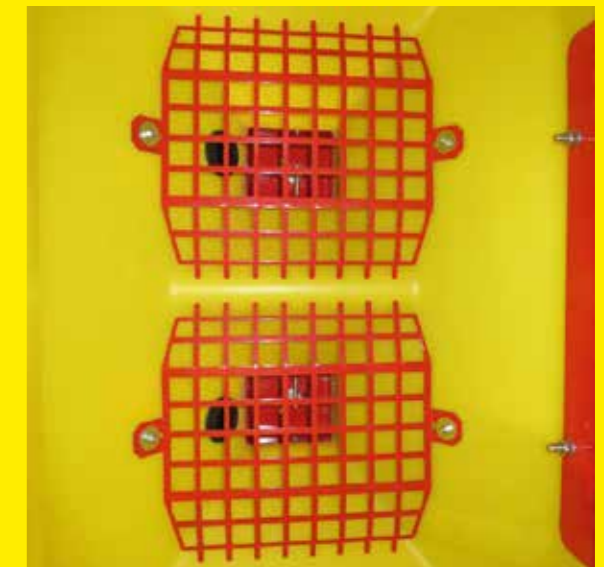
ITEMS INCLUDED

- Electric Control Box 4.6 with steel bracket for mounting in the driver's cab
- Complete spreader with 2 electric spreading discs and 2 throwing vanes
- 2 deflectors, top link mounting, counter plate
- 8 m cable for power supply from the battery to the control box, 6 or 15 m cable from the spreader to the control box - If the necessary cable length is communicated (7-15 m), it is cut to length and mounted in the factory!
- Calibration bag & seed scale
- Safety bar



YOUR BENEFITS

- Highest quality for spreading slug pellets (certified by the independent IRSTEA institute / proven by specialist publications)
- Largest working width
- Best lateral distribution
- Symmetric spreading pattern
- The spreading material is protected by the slowly turning agitator
- Large ground coverage due to the 200 l hopper capacity
- Point of impact adjustment for both spreading discs in order to obtain an optimal spreading pattern



FUNCTIONS OF THE CONTROL BOX 4.6

- Speed (rpm) measurement, regulation and control
- Automatic start in the case of firmly tapped spreading material
- Adjustment of spreading width and amount while driving
- Boundary spreading function
- Hectare and operating hours counter
- Operating voltage display
- Various languages available
- Discharge function
- Calibration test



WHAT MAKES OUR SLUG PELLETS SPREADER UNIQUE?

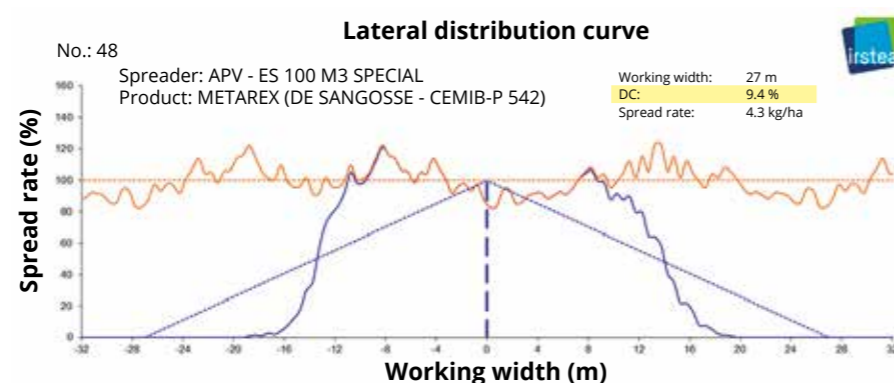
When developing the ES 100 M3 Special and the ZS 200 M4, we mainly focused on two aspects.

- **Optimisation for the output of slug pellets:** In order to further improve the performance of Disc Spreaders, particularly in connection with slug pellets, the throwing vane configuration and design were optimised in collaboration with the French institute IRSTEA. The results are great - best lateral distribution values even with maximum working widths. Our optimised devices achieve a working width of up to 28 m (ES 100 M3 Special) with a variation coefficient that is smaller than 10 % and up to 31 m (ZS 200 M4) with a variation coefficient that is smaller than 12 %.

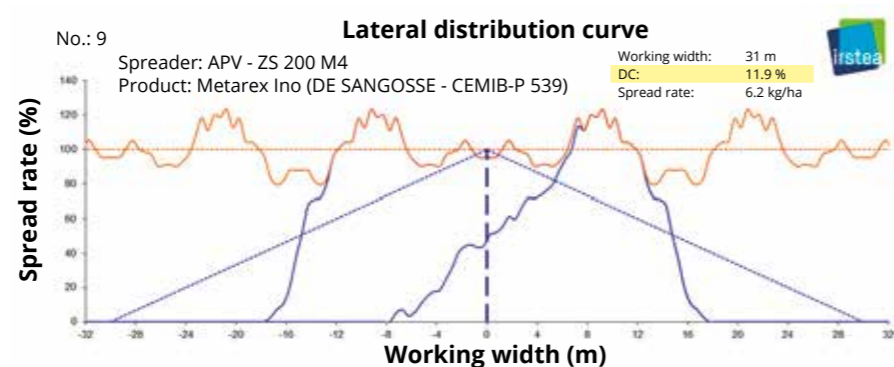
- **Independent control of the spreading discs:** The advantages of independent control of both spreading discs is best demonstrated in practice at the field edge. With ZS 200 M4 you can reduce the throwing distance of a spreading disc

An example: You can adjust the spreading discs so that the one oriented towards the field centre continues to operate at full speed, and the one oriented towards the neighbouring field continues only at half speed. This diminishes the throwing width of the spreading disc with the reduced speed by about half. Consequently, you do not spread on your neighbour's field and observe legal framework requirements. The control works via the control box in the driver's cab.

ES 100 M3 Special



ZS 200 M4



ACCESSORIES

+ CALIBRATION BAG



Your benefit: Fully collect the seeds during the calibration test.

Can be used with

- ES 100 M1 Classic
- ES 100 M3 Special

+ MOUNTING KIT TOWING HITCH



Your benefit: With the help of this mounting kit, you are able to mount the APV Disc Spreader on a car equipped with a towing hitch.

Can be used with

- KS 40 M2
- ES 100 M1 Classic
- ES 100 M3 Special

+ MOUNTING KIT QUAD (ATV) BRACKET



Your benefit: With the help of this mounting kit, you are able to mount the APV Disc Spreader on your quad.

Can be used with

- KS 40 M2
- ES 100 M1 Classic
- ES 100 M3 Special

+ MOUNTING KIT QUAD (ATV) BRACKET HEIGHT-ADJUSTABLE



Your benefit: Mount your Disc Spreader on your quad at the optimal height for your specific application.

Can be used with

- KS 40 M2
- ES 100 M1 Classic
- ES 100 M3 Special

ACCESSORIES

+ PICK-UP MOUNTING BRACKET



Your benefit: Mount your Disc Spreader on the tailboard of your vehicle.

Can be used with

- KS 40 M2
- ES 100 M1 Classic
- ES 100 M3 Special
- ZS 200 M4

+ POWER CABLE FOR CARS 3 M & POWER CABLE FOR TRACTORS 8 M



Your benefit: Reliably supply your Disc Spreader with power via the motor vehicle or tractor battery if no 3-pin plug is available.

Can be used with

- ES 100 M3 Special

+ PRECISION DISPERSION PLATE 1 - 4 M WORKING WIDTH



Your benefit: Limit the working width of your Disc Spreader to 1 to 4 m.

Can be used with

- ES 100 M1 Classic
- ES 100 M3 Special

+ POWER SUPPLY AP 8 M



Your benefit: Power supply cable for additional towing vehicle

Can be used with

- ZS 200 M4

+ EXTENSION CABLE ES SS 5 M



Your benefit: Extend your device cable in order to connect your Disc Spreader to the control box.

Can be used with

- KS 40 M2
- ES 100 M1 Classic

+ EXTENSION CABLE ES MX 5 M



Your benefit: Extend your device cable in order to connect your Disc Spreader to the control box.

Can be used with

- ES 100 M3 Special



+ COMPANY HISTORY

FROM USER TO ENTREPRENEUR

It has been clear to Jürgen Schöls (CEO) right from the start that he loves agriculture. This is why he took over the family farm and is still running it today. As a farmer and handyman, he continued developing his single-disc spreader in 1997. He recognised that his optimisation had potential and founded APV - Technische Produkte GmbH.

The first APV implements were handmade by the young entrepreneur himself and today he has 150 employees. The entire company works under the motto: EVERYTHING IS POSSIBLE! Giving, and then giving some more, and good things will come back! The dynamic company questions everything, takes nothing for granted and optimises good existing concepts.

„Every modern farmer uses APV technology on his farm.“

The Managing Director's vision, CEO

More information on our homepage at www.apv.at/en.

Company details

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Innovation for the Future

- since 1997 -



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