

StocksAG
APPLICATOR
PRODUCTS

FAN JET
PLUS & DUO PLUS



Fan Jet Twin Plus & Duo Plus

These models have been revised to use a rotary feed mechanism instead of gravity feed onto the discs. Fluted feed rolls are driven by reliable electric motors and the choice of feed roll and speed of rotation determines the application rate. Rates can be manually changed on the move, or using a Precision VR control, rates are automatically controlled in proportion to forward speed for the ultimate accuracy and can apply PF variable rates using pre-defined field maps. Rotary feed also allows very low application rates to be used for multiple low rate top-ups, for example when blight spraying potatoes. The two models are very similar, and essentially the only difference is the disc motor.

The Twin PLUS uses 2 x standard disc motors used on Fan Jet Pro and Fan Jet Twin models – due to the lower power requirement (40A) this model is **ideal to use with UTV's** (utility vehicles) as well as crop sprayers and tractors, and can spread a large, dense slug pellet typically **from 20m up to a maximum of 30 metres**.

The Duo PLUS is essentially the same except the disc motors are larger and more powerful, spinning at up to 1000rpm faster – it is **ideal to use with self propelled sprayers and to fit to the front linkage of tractors**, and can spread a large, dense slug pellet typically **from 24m up to a maximum of 36 metres**.

Please Note. Due to the increased power requirement (60A) the Duo PLUS is not recommended for UTV use unless high capacity alternators are fitted – please note that disc height will still be a limiting factor regarding the maximum spread from a UTV.

Both the Twin PLUS and Duo PLUS models use 2 Fan Jets, handed left and right, which are used together but have individual LH and RH controls allowing either side to be shut off independently. They are mounted on a supplied robust chassis 1.5m apart, and the discs and disc motor are reversed on one machine to give contra-rotating discs. Chassis, motors, feed mechanism, controls and discs are specific to these models. Hopper capacity each side is 65 litres giving a total capacity of 130 litres (100kgs slug pellets). An option of larger hoppers is available.



Specifications

Easy empty hoppers

Simply pull a pin and the complete machine tips through 90 degrees for quick, safe emptying of contents.

Weight.

Net 130 kgs, gross 230kgs

Power requirement

12 volts DC - 60 amps.

Dimensions – mm.

W 1960 x D 700 x H 1250

Fan Jet Twin Plus & Duo Plus



Spread Widths

For maximum width, we recommend a minimum disc height of 2m from the ground or crop canopy, and calm conditions.

Slug Pellets. It can spread a large, dense, wet extruded slug pellet up to approximately 30 (Twin PLUS) or 36 (Duo PLUS) metres in total. Each machine spreads from the centreline of the vehicle, up to 15m or 18m each side to give a combined total of up to 30m or 36m.

Fitting

We recommend front mounting direct to the chassis of self propelled sprayers or tractor front linkage, using the bolt holes provided in a large vertical bracket of the integral heavy duty Duo chassis. A strong rigid mounting is required.

As a cost option we offer a hydraulic raise and lower front linkage to fit to the front of John Deere self propelled sprayers. Lower the linkage for safe filling and calibration, and raise to the working height of 2m for maximum spread. Please enquire for details, or for other makes of sprayer.

(Many other sprayer manufacturers offer their own versions of hydraulic linkage to suit the Twin or Duo, for example Agritrac, Bateman, Househam, Knights, Sands).

Hydraulic Linkage



Electric Controls

Supplied as standard provide instant start and stop of spreading and variable disc speed with independent LH and RH feed control, low power and disc speed alarm. Control console, 5m fused battery power lead and a 6m connector cable are supplied. Extension cables as a cost option.

Optional Precision VR controls.

A GPS based system for automatic speed proportionate application plus the ability to use information from a field map and use fully automatic precision farming variable rates if required.



CARRIAGE IS EXTRA – PLEASE ENQUIRE

Fan Jet Twin Plus & Duo Plus

Spreading Features

Powerful 12volt disc motors drive the discs at high speeds. These require sufficient electrical power to work correctly, especially the Duo PLUS. An audio-visual alarm warns of low power or disc motor failure.

The contra-rotating discs stainless steel discs are handed left and right, and each has 4 long stainless steel vanes running from the centre of the disc to the outside. Pellets are collected gently in the centre, then accelerated along the vane with less breakage to give a wider and more even spread of intact pellets with greater efficacy in the field and greater resistance to weathering.

Product is metered via fluted feed rolls onto the discs which are deliberately biased to spread to the left and right respectively. The choice of feed roll, and speed of rotation determines the application rate. The standard control has 36 equally spaced motor speeds and allows on-the-move manual rate change and an option of Precision VR controls will give fully automatic speed proportionate output, and could be linked to field maps for precision farming variable rate application working from a field map. Independent LH and RH control of the feed motors give instant, positive start and stop to spreading.

A Calibration Chute is supplied as standard to aid safe and accurate rate setting.





Width and Headland Control

Independent left and right hand control is used to shut one side off for short work and as a headland control.

Variable disc speed control is used as the primary method of spread width setting and is ideal to use as headland control, simply dial down the disc speed as required.

Stepless spread bias adjustment provides adjustment of the throw of product to the left or right to fine tune the pattern, and can also be used as a headland control. Simply rotate the complete feed mechanism in the direction where you want more product.

PRICING CHOICE - Models & Cost Options

Fan Jet Twin PLUS and Duo Plus.

Complete with chassis and all controls and standard cables.

COST OPTIONS

Precision VR controls. For automatic speed proportionate application plus the ability to use information from a field map and use fully automatic variable rates if required.

Hydraulic raise and lower front linkage. To fit to John Deere self propelled sprayers to allow easy safe filling and calibration, and then raise the Fan Jets to the working height of 2m. Please enquire for details.

Calibration Chute. To assist when calibrating the machine, the chute quickly and simply attaches to the Fan Jet to safely collect and channel the pellets or seed into a collection bag for weighing. (Supplied as standard with Plus models)

Extension power and connector cables - please enquire.

Larger Hoppers. 2 x 130 litre hoppers are available – please enquire.

CARRIAGE IS EXTRA – PLEASE ENQUIRE