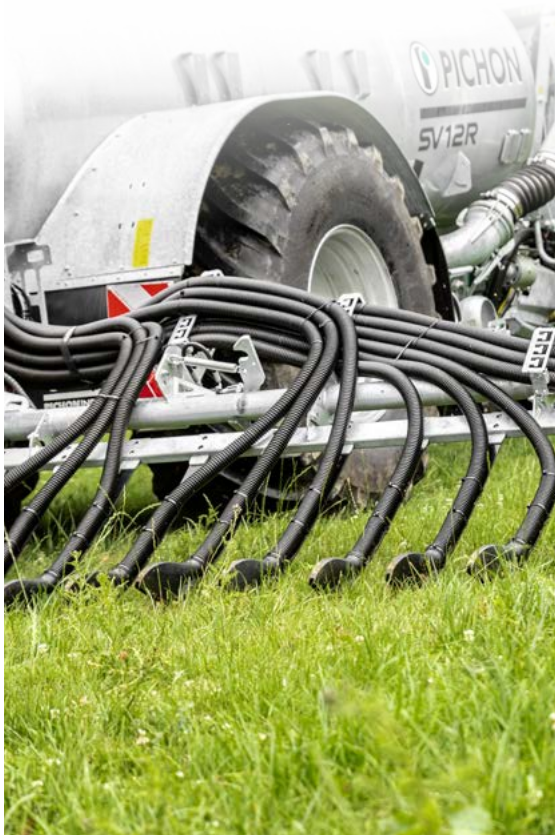
PICHON®









APPLICATION EQUIPMENT





APPLICATION EQUIPMENT

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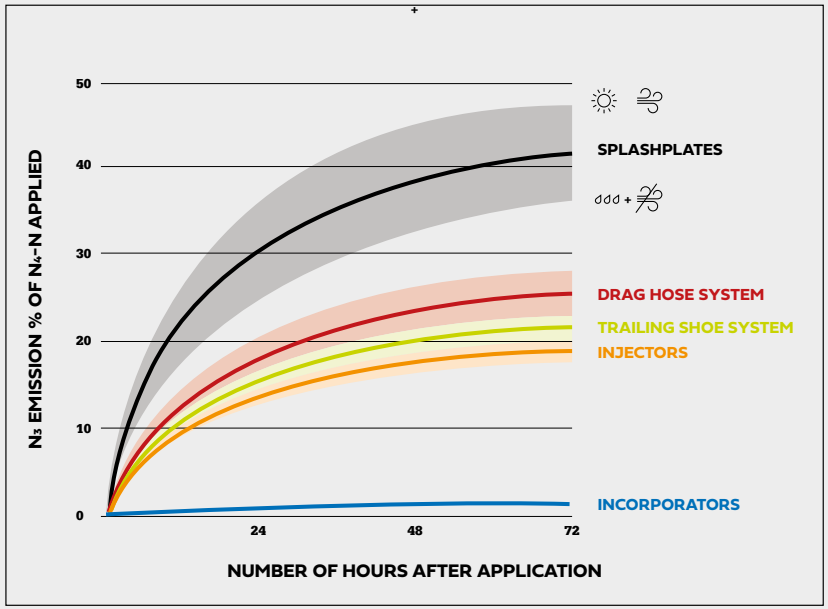


OPTIMUM USE OF NUTRIENTS

AN ASSET FOR YOUR SOIL AND YOUR PLANTS

Our surface application, injection and incorporation techniques optimise plants' use of nutrients. They improve soil fertility and reduce ammonia emissions. In addition to improving air quality, they provide an effective supply of natural fertiliser to help the plot reach its maximum potential.

THE CHOICE OF EQUIPMENT IS IMPORTANT



The ALFALFA project - Ammonia losses due to the application of slurry in the field



BROWN GOLD AT YOUR FINGERTIPS

- **HIGH LEVELS OF NUTRIENTS**
- **IMPROVED SOIL FERTILITY AND STRUCTURE**
- **RECIRCULATION OF RESOURCES**
- Carbon sequestration in the soil
- Improved soil microbial life
- Lower mineral fertiliser costs

Macro nutrients = (N) (P) (K) (S) (Mg) high concentrations added in kg per ha
Micro nutrients = (Cu) (N) low concentrations, added in g per ha
Organic matter = Plant residues and liquid manure that have not yet decomposed

SIMPLICITY AND PRODUCTIVITY



APPLICATION AT GROUND LEVEL

Using a drag hose boom allows you to obtain a non-fractionated slurry that promotes the effectiveness of the nutrients and dry matter contained in natural fertilisers. Depositing the slurry at ground level reduces ammonia emissions and facilitates infiltration of the fertiliser into the soil. The close spacing of the pipes ensures even transverse distribution over large widths.

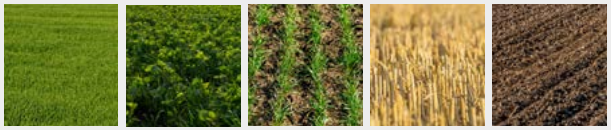
DESIGN

- Fully galvanised structure
- Simple, robust design
- Minimal maintenance
- Wide working widths
- ADS (anti-drip system)
- Hydraulic lock

ADVANTAGES

- High site throughput
- Even lateral distribution
- Limits nitrogen losses
- Improves the use of nutrients
- Reduces odours
- Low power requirements

SOIL TYPES:



Short, tall grass | Catch crops | Winter/spring crops | Stubble | Ploughed or cultivated land







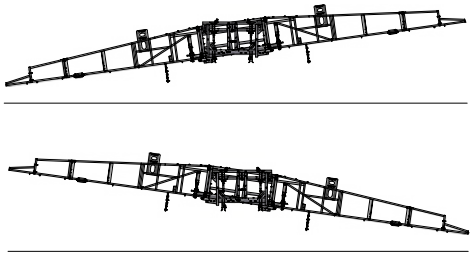
VERTICAL DISTRIBUTOR
- Increases performance
- Large capacity pebble trap
- Neutralises foreign bodies
- Guarantees homogeneous slurry
- Ensures even distribution



HALF-WIDTH SECTION CUT-OFF*
- Feeds from one side of the boom only
- Facilitates end-of-job operations
- Limits overlapping
- Prevents overdosing
- Optimises slurry application



SECTION CUT-OFF*
- Manual shut-off valves
- Standard on telescopic booms
- Optional behind the wheels
- Prevents overdosing
- Ensures better contour following



ACTIVE TILT CORRECTOR*
- Boom positioned parallel to the ground
- Structure pivots (+/- 8°)
- Improves contour following
- Optimises application on hilly terrain
- Controlled by PHONIC iControl 7S

TECHNICAL SPECIFICATIONS	DHB1						DHB2							
Working width (m)	9		12		15		12-15		15		15-18		18	
Transport width (m)	< 3						< 3							
Number of distributors	1						2							
Number of trailing hoses	30		40		48		48							
Row spacing (mm)	310		300		320		310		320		380			
Hose diameter (mm)	40	50	40	50	40	50	40	50	40	50	40	50	40	50
Empty weight (kg)	950		1100		1350		1350		1400		1550		1650	



*Optional

ACCURACY AND VERSATILITY



TARGETED APPLICATION

The trailing shoe boom ensures precise surface application of natural fertiliser and can be used on all types of soil. The design of the boom and trailing shoe ensures excellent ground contour following, making it a valuable ally in hilly areas. Using a trailing shoe system boosts the yield potential of your crops.

DESIGN

- Universal installation
- Vertical distributor
- Simple and reliable design
- Compact size
- ADS (anti-drip system)
- Hydraulic lock

ADVANTAGES

- Precise surface application
- Better infiltration into the soil
- Odour reduction
- Minimal ammonia emission
- Takes care of your plants
- Eco-friendly fertiliser cycle

SOIL TYPES:



Short, tall grass | Winter/spring crops | Stubble | Ploughed or cultivated land













TSB1

TRANSPORT SAFETY

Simple hydraulic folding forms a compact triangle at the back of the tanker. The driver gains optimal visibility during transport. The hydraulic locking system stabilises the boom and makes your journeys on the road safer.

UNIVERSAL INSTALLATION

Our TSB1 models can be assembled on all tankers with ease, whether they're new or already operational. They are compatible with different fixed or hydraulic connection systems.

A UNIQUE DESIGN

The trailing shoe design has been developed to combine performance and minimum maintenance costs. A warning light alerts the operator when the central wear part reaches end of life. Switching is simple and takes less than a minute. The central wear part guarantees a consistent ground pressure surface throughout its life.

EXCELLENT SOIL MONITORING

The central pivot point gives flexibility to the boom frame. Its guided movement effortlessly adapts to the natural contours of the terrain.

TECHNICAL SPECIFICATIONS	TSB1	
Working width (m)	7.5	9
Transport width (m)	< 3 m	
Height (m)	3.23	3.95
Working height (mm)	840 (+/-20)	
Number of distributors	1	
Number of trailing shoes	30	36
Row spacing (mm)	250	
Hose diameter (mm)	43	
Empty weight (kg)	1150	1300



1. Universal installation
The TSB2 can be easily fitted to any new or existing slurry tanker.

2. Modular sections
Three main sections and up to 4 modular sections. Wing extensions can be folded away for greater flexibility.

3. Anti-collision safety
In the event of obstacles, the wing extensions are hydraulically releasable.

4. Double cylinder folding
They provide balanced support forthe wings of the boom, improve stability (folding/ unfolding) and optimise load distribution on the frame.

5. Stabiliser wheels
The wheel supports can be used to adjust or relieve the shoe depth. They stabilise the boom and accurately follow the contours of the ground.

Floating mechanism
It allows the boom to work at variable heights while maintaining regular contact with the ground.



Anti-drip system
Our anti-drip system (ADS) minimises the dripping of slurry on roads. During application, it prevents the fertiliser from escaping and reduces the risk of contamination. The ADS system guarantees a clean working environment.





TSB2



AN INTELLIGENT DESIGN

The TSB2 range was designed for contractors and large farms. It offers the versatility required to fulfil the most demanding agricultural work. Its reliable and flexible design is dedicated to maximising your productivity. The working widths ensure excellent distribution and uniform lateral fertiliser application in various conditions and across all soil types.

COMPACT TRANSPORT

With a transport width of less than three metres when folded, the TSB2 model is easy to manoeuvre, both on the road and through narrow passages.

TECHNICAL SPECIFICATIONS	TSB2		
Working width (m)	15	15-18	15-18-21
Transport width (m)	< 3 m		
Height (m)	3.78		
Working height (mm)	H1 860 (+/-20) H2 980 (+/-20)		
Number of distributors	2		
Number of trailing shoes	60	72	84
Row spacing (mm)	250		
Hose diameter (mm)	43		
Empty weight (kg)	3350	3650	3800

PROTECTION AND VALUE



REASONED APPLICATION

The IDs has a maximum injection depth of 5 cm. The combination of the two conical discs and the cutting disc ensures that the slurry is applied to the heart of the furrow. This avoids splashing and protects the plant cover. Odour emissions and ammonia losses are reduced to a minimum. The injection technique is ideal in terms of efficiency and environmental friendliness.

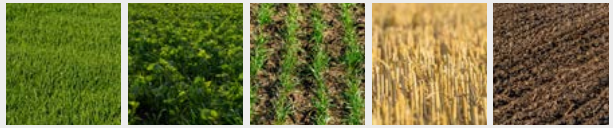
DESIGN

- Coupling with 4-point interface
- Vertical distributor
- Lightweight, stable construction
- ADS (anti-drip system)
- Hydraulic lock
- Pivoting chassis

ADVANTAGES

- Homogeneous, reasoned deposit
- Rapid infiltration in the soil
- Low nutrient evaporation
- Improves forage quality
- Odours reduced to a minimum
- Good tracking of plot curves

SOIL TYPES:



Short, tall grass | Catch crops | Winter/spring crops | Short stubble | Ploughed or cultivated land













TECHNICAL SPECIFICATIONS	IDs
Working width (m)	8
Transport width (m)	< 3
Transport length (m)	1.35
Transport height (m)	3.80
Number of distributors	1
Number of discs	32
Disc diameter (mm)	385
Row spacing (mm)	250
Hose diameter (mm)	43
Working depth (cm)	2-5
Working speed (km/h)	5-12
Empty weight (kg)	1850

DISCS
- Discs mounted in pairs
- Individually mounted sections
- Easy-to-replace wear part
- Reduced maintenance costs
- Uniform disc pressure

INJECTION NOZZLES
- Nozzles for improved liquid outlet
- Hoses with smooth inner surface
- Flexible material for contour following
- Black colour for UV resistance
- Optimised work rates

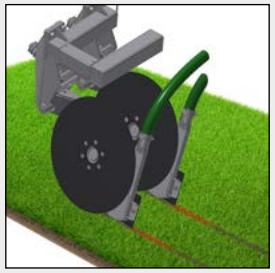
DEPTH ADJUSTMENT
- Depth control by sensor
- Self-regulating machine
- Constant working depth
- Optimises slurry injection
- Adapts to different soil types

TRANSPORT
- Locking system
- Compact footprint
- Lightweight, stable unit
- Optimum driving comfort
- Secure road routes



TECHNICAL SPECIFICATIONS	EL71	
Working width (m)	4	5.70
Transport width (m)	2.85	
Transport length (m)	1.95	
Transport height (m)	< 4	
Number of distributors	1	
Number of discs	10	14
Disc diameter (mm)	640	
Row spacing (mm)	400	
Hose diameter (mm)	50	
Working depth (cm)	5-10	
Working speed (km/h)	5-12	
Empty weight (kg)	1950	2420

CONSISTENCY AND EFFICIENCY



PRECISION APPLICATION

The EL71 model is ideal for injecting natural fertiliser after harvesting or on bare soil. It shears the soil without disturbing it. The slurry has easier access to the roots and the plant cover is protected. Contamination and nitrogen losses are greatly reduced and the agronomic powers of the fertiliser maximised.

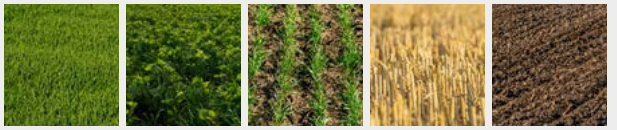
DESIGN

- Flat opening discs
- Aggressive disc profile
- Stable, lightweight design
- High clearance
- Vertical distributor
- Depth control with wheels

ADVANTAGES

- Precise injection at the root
- Respects soil structure
- Reduces the risk of leaching
- Minimal ammonia emission
- Optimum crossing capacity
- Improves forage quality

SOIL TYPES:



Short, tall grass | Catch crops | Winter crops | Short, tall stubble | Loose cultivated soil



> Our aim is to offer the agricultural industry state-of-the-art natural fertiliser spreading machines and technologies for applying natural fertilisers that take account of the environment and people.

APPLICATION AND WORKING THE SOIL



THE KEY TO EFFICIENT WORK

Designed to work on surfaces clogged with plant debris, stubble, after maize harvesting, etc., the CDf has 2 rows of discs: injectors and coverer. The discs of the first row open a furrow in the earth and the diffuser applies the slurry. The second row covers the furrow.

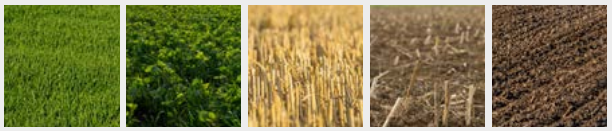
DESIGN

- Two rows of discs
- Compact, robust design
- Lightweight construction
- 4-point interface
- Vertical distributor
- Depth adjustment

ADVANTAGES

- Incorporation and covering
- Fertilisation of plant residues
- Optimum use of nutrients
- Minimal or non-existent losses
- Better decomposition of debris
- Increases application surface area

SOIL TYPES:



Short grass | Catch crops | Short, tall stubble | Maize stubble | Ploughed or cultivated soil







DISCS

- Notched discs mounted in pairs
- Aggressive disc profile
- Soil worked every 12.5 cm
- Excellent mixing of plant matter
- Vibration absorption by silent blocks



EDGE DISC (optional)

- Left-mounted star disc
- Excellent ground levelling
- Monitors soil irregularities
- No ridges between passes
- Limits soil projections



DEPTH ADJUSTMENT

- Quick, easy adjustment (-50 to +150mm)
- Precise depth control
- Constant working depth
- Adapts to all types of soil
- Optimises slurry incorporation



TECHNICAL SPECIFICATIONS	CDf	
Working width (m)	4.5	6
Transport width (m)	3	
Transport length (m)	2.4	
Transport height (m)	< 4	
Number of distributors	1	
Number of discs	35	47
Disc diameter (mm)	510	
Row spacing (mm)	250	
Hose diameter (mm)	43	
Height under chassis (mm)	660	
Working depth (cm)	3-12	
Working speed (km/h)	10-14	
Empty weight (kg)	1900	2500

WORK DEEP



1 EQUIPMENT FOR 2 TASKS

The strength of this model is undoubtedly its ability to work the soil and incorporate the slurry in a single pass. This tine incorporator works the soil efficiently and facilitates the decomposition of plant debris. The soil is prepared for new seeds. This application technique optimises fertiliser performance by reducing nitrogen losses to a minimum.

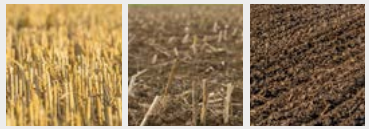
DESIGN

- 2 rows of tines
- Flexible tines
- Galvanised structure
- High clearance
- Vertical distributor
- Pneumatic depth control wheels

ADVANTAGES

- Precise incorporation
- Optimum use of nutrients
- Minimal or non-existent losses
- Loosens the soil
- Prepares a seed bed
- Easy passage of crop residues

SOIL TYPES:



Short stubble | Maize stubble | Ploughed or cultivated soil







FLEXIBLE TINES

- Ploughed or cultivated soil
- Working depth: 5 to 15 cm
- Crumbling of the top layer
- Vibratory stubble cultivation
- Reversible share tips



OPTIONAL «CROSSES» KIT

- Ideal solution for levelling
- Medium to heavy soils
- Various adjustment positions
- Reduces the effect of furrows and bumps
- 3 sections on last row of tines

TECHNICAL SPECIFICATIONS	CTf
Working width (m)	6
Transport width (m)	3
Transport length (m)	2.75
Transport height (m)	< 4
Number of tines	19
Row spacing (mm)	330
Hose diameter (mm)	43
Height under chassis (mm)	600
Working depth (cm)	5-15
Working speed (km/h)	6-12
Empty weight (kg	2080



OPERATING CONDITIONS



☐ Unsuitabie
☑ Suitable
★ Ideal

	CTf	CDf	EL71	IDs
	Incorporators		Injectors	
Forward speed (km/h)	6-12	10-12	5-12	5-12
Working depth (m)	5-15	3-12	5-10	2-5
Power required (hp/m)	20	20-30	6-8	6-8
Max. disc pressure (kg/disc)	-	52	172	220
Tall stubble and long straw - Sandy soil	☐	★	★	☐
Short stubble and short straw - Sandy soil	★	★	☑	★
Tall stubble and long straw - Clay soil	☐	☑	☑	☐
Short stubble and short straw - Clay soil	★	☑	☑	☑
Maize stubble with chopped stubble - Sandy soil	☐	☑	★	☐
Short maize stubble - Sandy soil	☑	☑	☑	☑
Maize stubble with chopped stubble - Clay soil	☐	☑	☑	☐
Short maize stubble - Clay soil	☑	☑	☑	☑
Ploughed soil - Sandy soil	★	☐	☐	☑
Loose cultivated soil - Sandy soil	★	☑	☑	☑
Ploughed soil - Clay soil	☑	☑	☐	☐
Loose cultivated soil - Clay soil	☑	☑	☑	☑
Catch crops- Sandy soil	☐	★	☐	☐
Catch crops- Sandy soil	☐	★	☑	☑
Catch crops- Clay soil	☐	☑	☐	☐
Catch crops- Clay soil	☐	☑	☑	☑
Short grass, recently cut - Sandy soil	☐	☑	☑	★
Tall grasses - Sandy soil	☐	☐	★	★
Short, recently cut grass - Clay soil	☐	☑	☑	☑
Tall grasses - Clay soil	☐	☐	☑	☑
Winter crops - Sandy soil	☐	☐	☑	★
Spring crops - Sandy soil	☐	☐	☐	☑
Winter crops - Clay soil	☐	☐	☑	★
Spring crops - Clay soil	☐	☐	☐	☑







PREPARE FOR THE FUTURE

For some years now, the emphasis has been on techniques for injecting and incorporating natural fertilisers into the soil. Among their many benefits, they reduce ammonia emissions and optimise crop yields. To prepare your equipment for these developments, we offer a range of coupling systems that allow you to add application equipment as original equipment or retrofit.

PICHON UNIVERSAL LINKAGE

SV models are fitted with a linkage slot as standard. This interface is essential for connecting all PICHON application equipment. We recommend this option when you buy your machine to increase its versatility. Our universal linkage is compatible with all our application techniques: boom, injectors and incorporators. To adapt the equipment to seasonal conditions and make your uncoupling/coupling operations easier, external linkage control is located at the rear of the tank*.

FIXED SLOT SYSTEM

We also offer a fixed CATIII- slot system compatible with our BATS trailing shoe system. Its compact design is easy to install and includes basic hydraulic functions. This slot system increases the versatility of your tanker.

**Optional*

A RELIABLE NETWORK

PICHON MYPARTS

Our network of certified dealers has technical support and online documentation at their disposal via our MyParts platform. Spare parts catalogues, user manuals, technical booklets, assistance forms, warranty applications, etc.; they have all the tools they need to apply our manufacturer's expertise and provide you with an efficient after-sales service. Using your machine's serial number, our experts can find the machine's configuration details at the time of departure from our factories in just one click. This ensures that you receive original spare parts and guarantees longevity for your equipment

SPARE PARTS

Our warehouse and logistics departments ensure spare parts availability. They support and advise our distributors so that your equipment is maintained and repaired in the best conditions. Our network of dealers is on hand to meet your needs and order your spare parts as quickly as possible.





RESPONSIVE SERVICE

SERVICE-MINDED

Supported by our customer service department, our distribution network will accompany you from the moment your machine is commissioned. Our technical teams are available on the ground to train, advise and assist our dealers in order to guarantee you an efficient service. Our goal is to provide you with the best customer experience before, during and after your purchase.

PICHON ACADEMY

We take pride in training our network of dealers and their technicians in the use and maintenance of our machines. Our network of dealers will support you from the moment your equipment is commissioned and provide after-sales service. That's why we developed the PICHON ACADEMY training programme. This enables them to gain all the expertise necessary to help you get the most out of your PICHONequipment. Our distributors are on hand to advise you and provide you with our manufacturer's expertise.



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