

HOES AND GUIDANCE



ECONET F



ECONET



ECONET SGI



PRECICAM



KLINEA



Along the years, CARRÉ has invested in a modern and performing industrial tool to answer all productivity, competitiveness, flexibility, and quality problematics.



The CARRÉ company in a few images



CARRÉ used a painting process that improves the holding and the aspect of the machine and increases the life and its value over time.



USER TESTIMONY



BENEFIT FROM CARRÉ'S 85 YEARS OF EXPERIENCE AND INNOVATION



• CARRÉ is a family run company based in Vendée. Since 1938 we have endeavoured to design, build and market equipment intended for soil preparation, drilling, fertilisation and a complete range of crop management.

Our aim is to offer you equipment that is designed to suit your conditions.

• Located in the heart of a farming region, CARRÉ develop all of its products in partnership with recognized cereal farmers. You will therefore benefit from their knowledge and their experience with implements, when buying CARRÉ equipment.

• Over the last 80 years the company has received several prizes for innovation and it would like to assist you in a sustainable management of your crops in order to obtain optimal yields.

Philippe L., Farm manager in Calvados

My main aim when I got an interrow hoe was to reduce the number of passes and chemical applications whilst reducing the number of weeds producing seed heads as much as possible. I have 125 ha of sugar beet, so I tried the 12 row Econet inter-row hoe which is fitted with the PRECICAM camera guidance system.

The strong point of this implement is clearly the guidance which provides a huge increase in precision. Thanks to the technique and the precision we have gained, we have been able to have one less person involved in hoeing!

The hoes other strong point is the ease with which adjustments can be made.

It is an implement that is user-friendly, fully equipped and has fully met my expectations!



HOEING IS NOT A SOLUTION ONLY FOR MECHANICAL WEEDING.

Hoeing is the solution for most crops planted in rows at least 15 cm apart to remove weeds. Even if weed destruction is not complete, weeds are weakened limiting its future growth. Hoeing, combined with an effective steering system, will provide precision work with high work rates and increased operator comfort.

The pass with the hoe can be optimised by combining precision spraying equipment to treat the row or apply liquid or solid fertiliser to it.

The quantities of chemicals required are significantly reduced, as are losses due to evaporation and run off. In addition to eliminate weeds and reduce the seed stock, the mechanical action of hoeing on the soil reduces the presence of pests and the risk of diseases of the crop.

Its aeration action on the soil allows a good hygrometric exchange between the air and the soil thus favoring the development of the culture. Soil capping is eliminated, therefore reducing water run-off and erosion whilst encouraging mineralisation due to improved microbial activity.

It is a sound agricultural practice that improves the soil surface, water penetration, and root development thanks to soil shattering.

Nowadays it is possible to hoe at a steady speed of around 8 to 10 km/h. It also gives the opportunity to apply spray or place fertiliser precisely leading to important savings.



Before

After



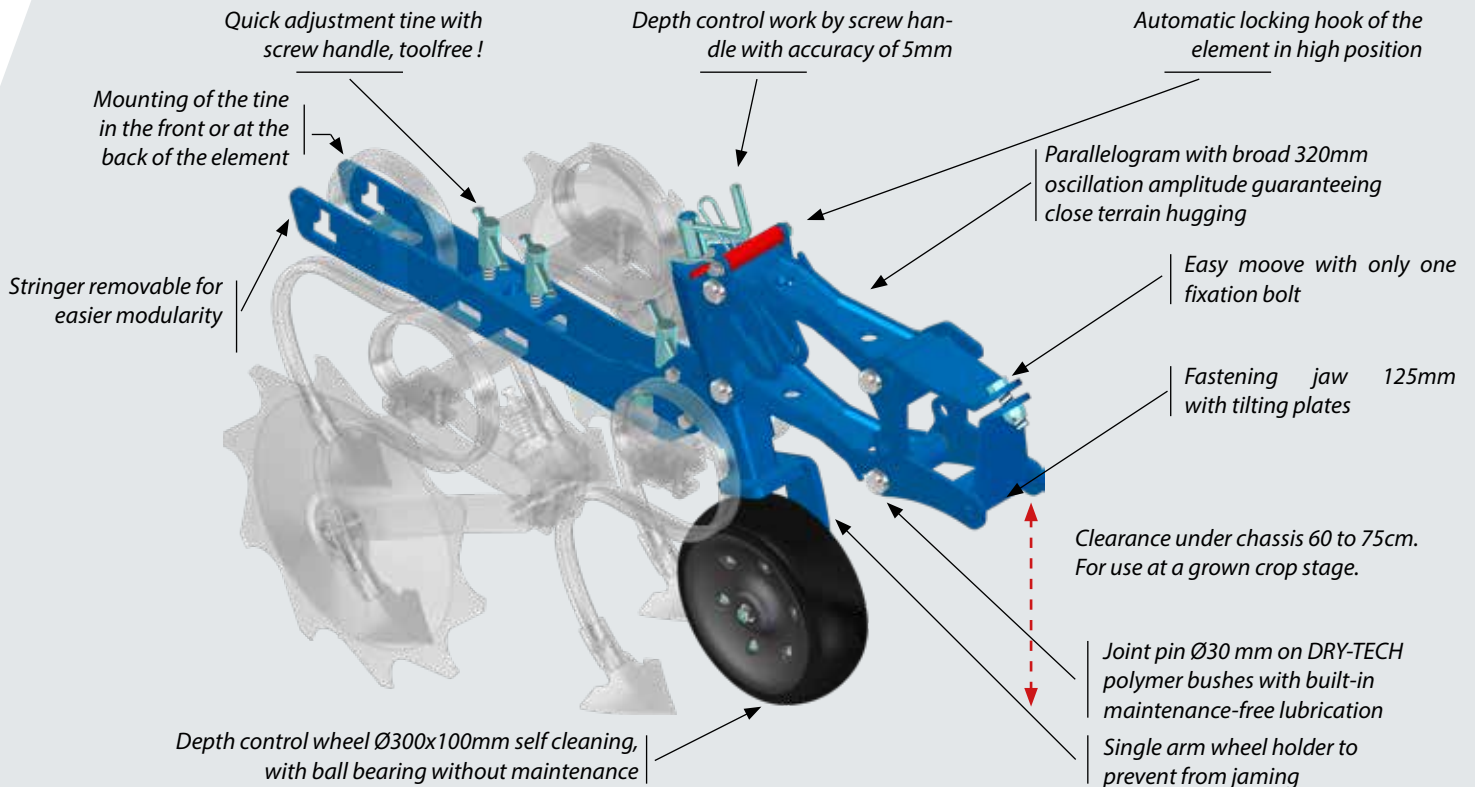
Before

After

CULTIVATING ELEMENT

The hoeing element guarantees a constant working depth over the whole width of the cultivator thanks to the amplitude of oscillation of its parallelogram and its independent grounding wheel.

Robust and maintenance-free design, it adapts to all row crops using its quick setting systems. A wide choice of tines and options to insure an efficient and accurate work.



ELEMENT E



For inter-rows spacing from 45 to 60cm
 Versatile on all type of soils
 3 tines 32x12mm
 Triangular ploughshare 150mm
 Several ploughshare width in option

ELEMENT I



For inter-rows spacing from 45 to 60cm
 Suitable for sandy or silt clay soil
 To cut-off with accuracy
 32X12 tines with adjustable rigid holder
 Flat triangular ploughshare 200mm
 Several ploughshare width in option
 L blades right and left

ELEMENT C



For inter-row distances from 15 to 30cm
 1 element for hoeing 1, 2 or 3 crop rows
 To cut-off with accuracy
 From 1 to 3 32x12 tines with adjustable rigid holder
 Flat triangular ploughshare 200mm
 Several ploughshare width in option

THE LEGS



Curved 32X12 tine with :
 - Triangular duckfoot 70, 105, 150, 175, 200 or 250mm
 - Reversible straight share



Rigid fitted 32x12mm tin adjustable with its 50 to 300mm wide triangular plough share



32x12 tine with adjustable rigid holder and right or left L blade

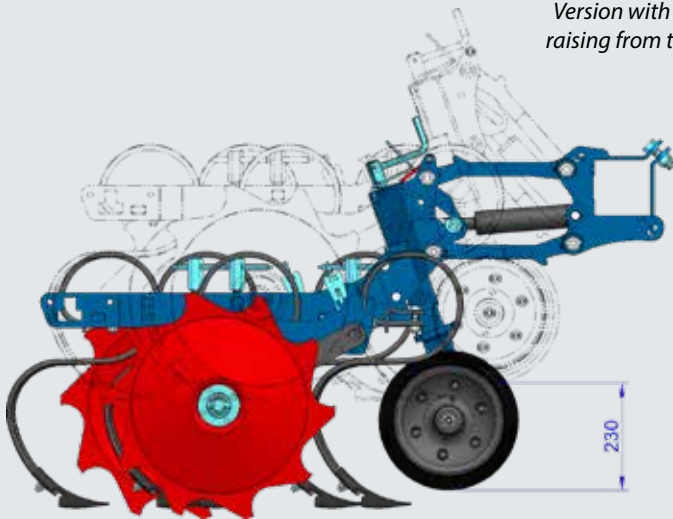
2 hydraulic lifting versions

Version with 23cm horizontal raising from the work position

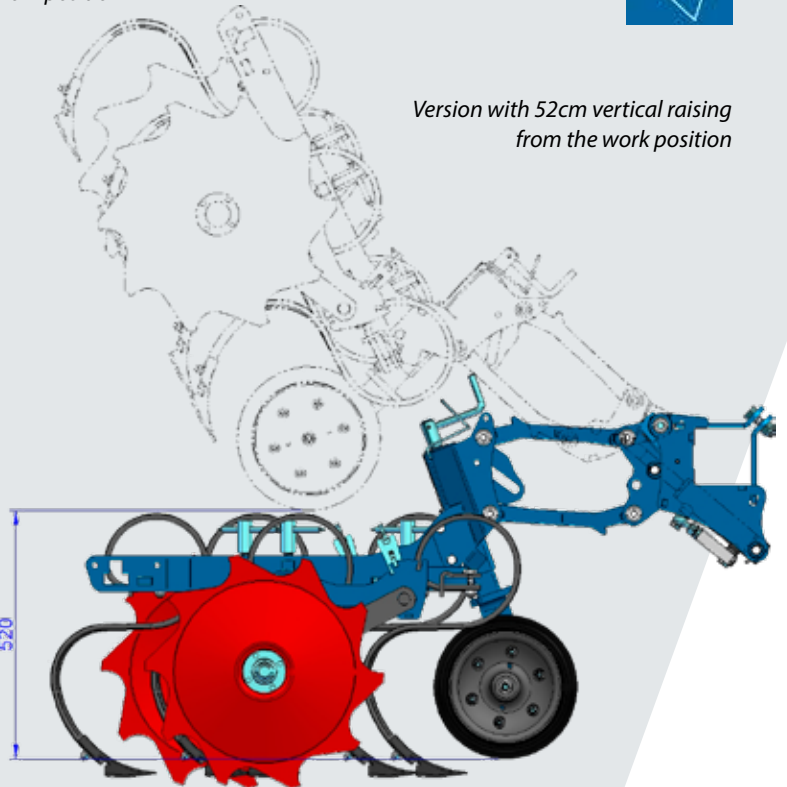
ISOBUS compatible



Version with 52cm vertical raising from the work position



Individual lifting by manual or automatic GPS-controlled hydraulic control



ELEMENT L



For inter-rows from 60 to 80 cm
Versatile on all type of soils
5 tines 32x12mm
Triangular ploughshare 150mm
Several ploughshare width in option

ELEMENT B



For inter-rows from 60 to 80 cm
Suitable for sandy or silt clay soil
To cut-off with accuracy
5 32X12 tines with adjustable rigid holder
Flat triangular ploughshare 200mm
Several ploughshare width in option
L blades right and left

ELEMENT X

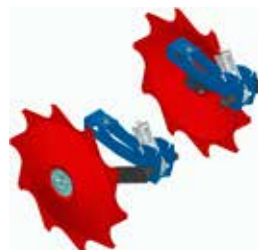


For inter-rows from 60cm
To work up to 10cm depth
Suitable for hard stony soil condition
5 tines 45x12mm
Straight reversible ploughshare
Triangular shares optional - W element

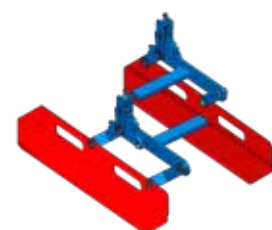
CROPS GUARDS



Large clearance 45x12mm tine with:
- Reversible straight share
- Triangular ploughshare 150, 175, 200 or 250mm



Retractable discs crop guard Ø500mm suitable for all conditions
Compatible with elements type E, L and X



Long retractable plant protector for optimal crop protection
Compatible with elements type E, L and X

Front ECONET



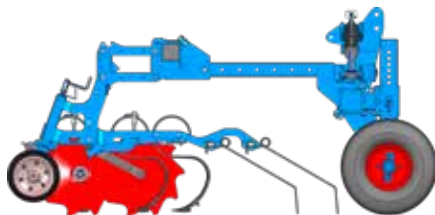
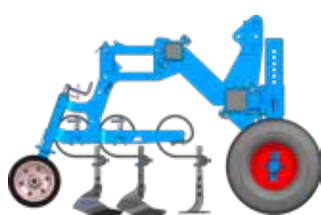
For a manual guiding system !

THE FRAME

- 3 point coupling with anti-rotating arms cat n° 2/3
- Mechanically welded chassis with square tube 120X5mm and 100X5mm
- Rigid or with hydraulic folding from 2,5 to 3m (depending on equipments)

The link arm is fixed if there isn't an option behind the hoe section

Linking arm adjustable for option at the back



- Linking arms adjustable in function of the hoeing element rear option
- Pair of wheels tyres 10 Ply Ø 535x168mm
- Road light and signals included

THE SECTIONS

E ELEMENT



For inter-rows spacing from 45 to 60cm
Versatile on all type of soils
3 tines 32x12mm
Triangular ploughshare 150mm
Several ploughshare width in option

L ELEMENT



For inter-rows from 60 to 80 cm
Versatile on all type of soils
5 tines 32x12mm
Triangular ploughshare 150mm
Several ploughshare width in option

I ELEMENT



For inter-rows spacing from 45 to 60cm
Suitable for sandy or silt clay soil
To cut-off with accuracy
3 32X12 tines, with adjustable holder
Flat triangular ploughshare 200mm
Several ploughshare width in option
L blades right and left

B ELEMENT



For inter-rows from 60 to 80 cm
Suitable for sandy or silt clay soil
To cut-off with accuracy
5 32X12 tines, with adjustable holder
Flat triangular ploughshare 200mm
Several ploughshare width in option
L blades right and left

OUR RECOMMENDATIONS

Number of rows	Spacing (cm)	Recommended elements	Power (Hp)	Weight (Kg)*
Sugar Beet				
12	45-50	E or I	120	1400 to 1500
Sunflowers				
7	60	E, I, L or B	90	850 to 1300
9			120	1200 to 1300
Maize				
6	75-80	L or B	100	1050 to 1150
8			120	1250 to 1400

* According to equipment

FIXED ECONET



THE FRAME

- 3 point hitch with pins category N°1/2
- Welded frame in square beam 120x5mm
- Pair of stabilizer coulters Ø 500 mm included or directional piloted coulters with the SGI guiding system
- Road light and signals included

Stabilizers coulters as standard

Available with a slope correction
Driven guiding coulters driven by the pushing bar from the 3 point hitch
To correct path in slopes



Available with Integrated Guidance System SGI

OUR RECOMMENDATIONS

Number of rows	Spacing (cm)	Recommended elements	Power (Hp)	Weight (Kg)*
Sugar Beet				
6	45-50	E or I	70	600 to 900
Sunflowers				
5	60	E, I, L or B	70	450 to 900
Maize				
4	75-80	L or B	70	450 to 900

* According to equipment

FOLDING SINGLE BEAM ECONET



Ideal to hoe with fixed inter-row and drive safely!



Double hydrau-mechanical safety locking (transport and work)

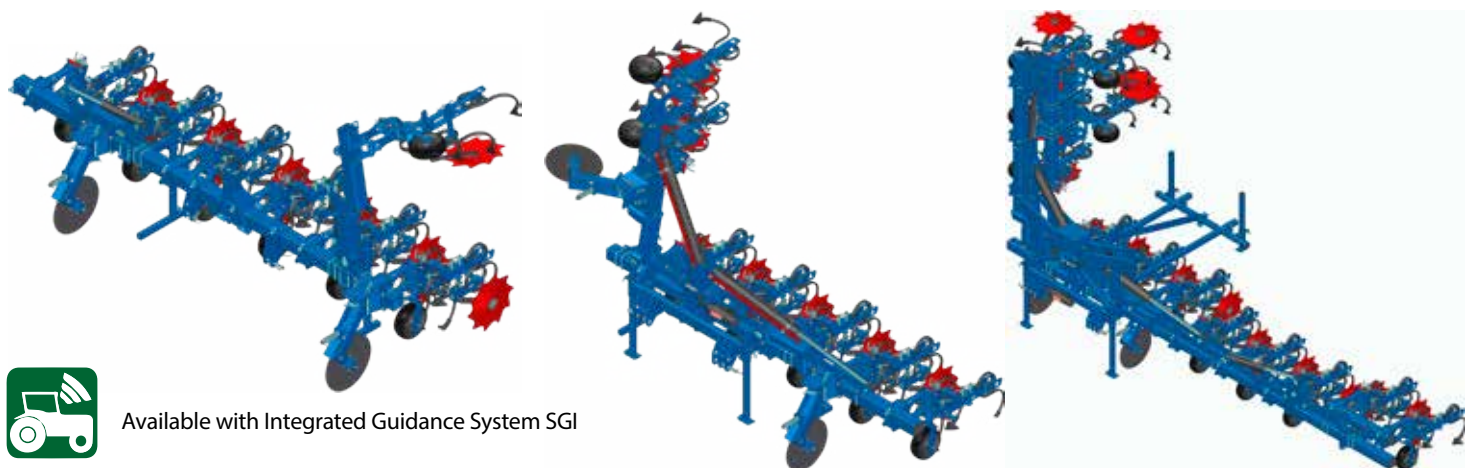
THE FRAME

- 3 point hitch with anti-rotation pin category 2/3
- Welded frame in square beam 120x5mm
- Hydraulic folding to 3 m

- Pair of stabilisator coulters Ø500mm included
- Double folding chassis for 18 rows 45/50cm and 12 rows 75/80cm - Transport height 3,6m
- Road light and signals included

Economic hydraulic power folding

Single folding M1 or double folding M2 compact chassis



Available with Integrated Guidance System SGI

OUR RECOMMENDATIONS

Number of rows	Spacing (cm)	Recommended elements	Power (Hp)	Weight (Kg)*
Sugar Beet				
12	45-50	E or I	110	900 to 1200
Sunflowers				
7	60	E, I, L or B	90	650 to 1100
9			110	750 to 1300
Maize				
6	75-80	L or B	90	750 to 950
8			110	950 to 1200
Sugar Beet				
18	45-50	E or I	160	2300 to 2800
Maize				
12	75-80	L or B	160	2200 to 2700

* According to equipment

FOLDING DOUBLE BEAM ECONET



Ideal to hoe with a changing number of row or inter-row spacing !



Double hydra-mechanical safety locking (transport and work)

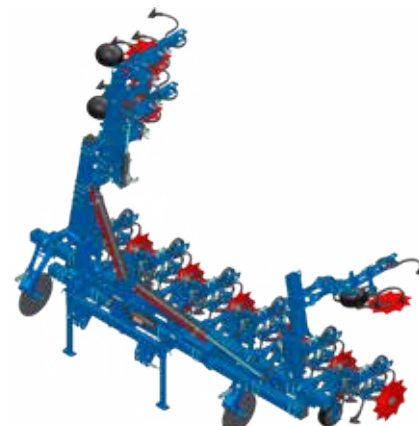
THE FRAME

- 3 point hitch with anti-rotation pin category 2/3
- Welded frame in square beam 120x5mm and 140x8mm
- Hydraulic folding at 3m with beam B3 or 3,5m with beam B2, and 3,8m for version, 8, 6 rows maize with 4 element on the central part
- Pair of stabilisator coulter Ø500mm included
- Road light and signals included

B3 chassis for transport width at 3m

B2 chassis to hoe 6 and 4 rows

B2 chassis to allow hoeing 8, 6 and 4 rows with only one machine



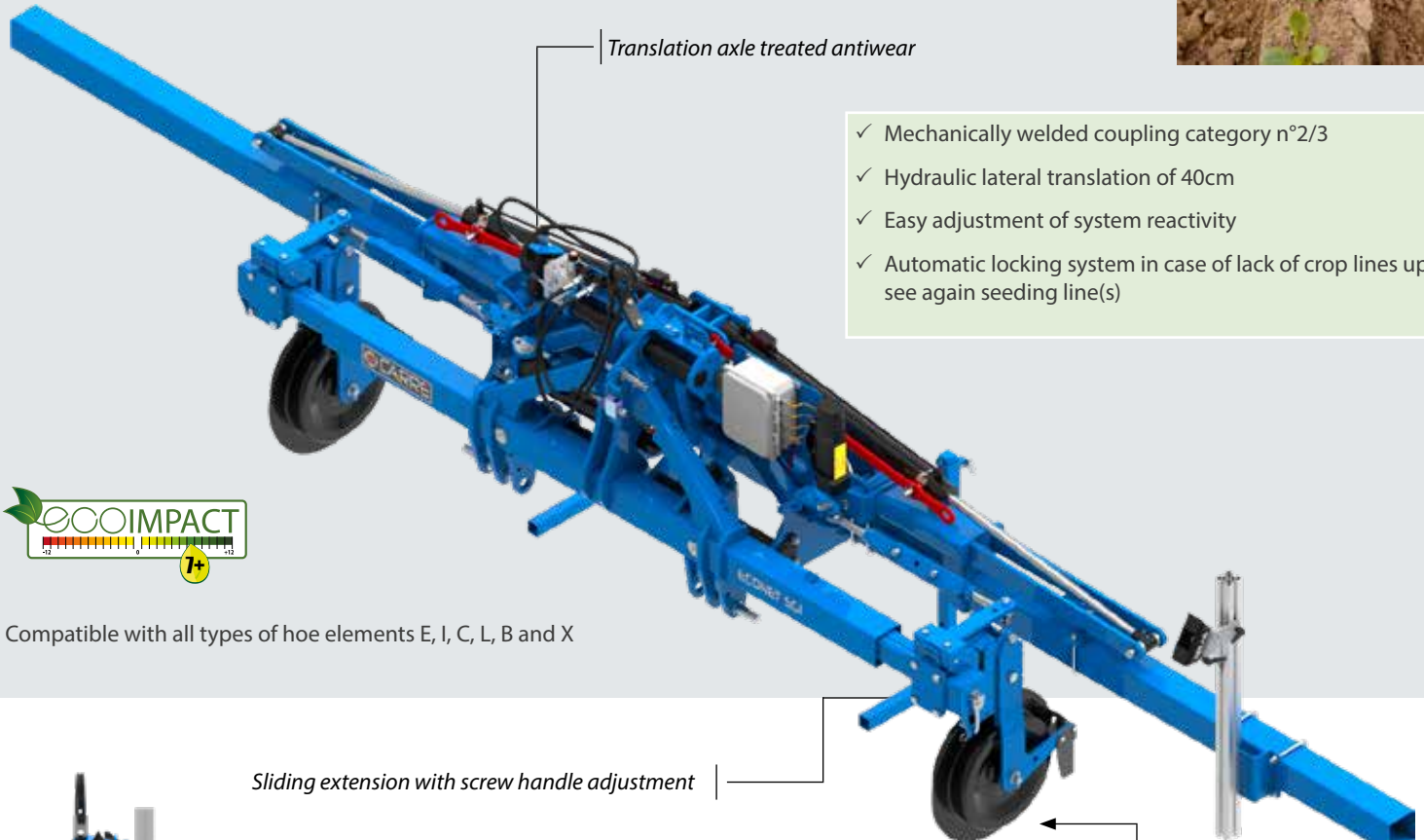
OUR RECOMMENDATIONS

Number of rows	Spacing (cm)	Recommended elements	Power (Hp)	Weight (Kg)*
Sugar Beet				
12	45-50	E or I	120	950 to 1250
Sunflowers				
7	60	E, I, L or B	90	850 to 1100
9			110	900 to 1300
Maize				
6	75-80	L or B	100	800 to 950
8			120	950 to 1200

* According to equipment

INTEGRATED GUIDANCE SYSTEM - SGI

Integrated guiding system allow to have a compact hoeing chassis and to limit play for a maximum accuracy and comfort



- ✓ Mechanically welded coupling category n°2/3
- ✓ Hydraulic lateral translation of 40cm
- ✓ Easy adjustment of system reactivity
- ✓ Automatic locking system in case of lack of crop lines up to see again seeding line(s)

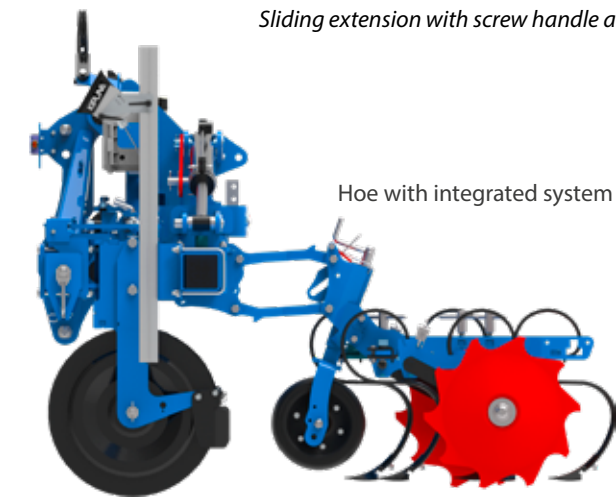


Compatible with all types of hoe elements E, I, C, L, B and X

Sliding extension with screw handle adjustment

Hoe with integrated system = 1 machine

Control wheels use 10 ply 550x175mm tyres or controlled directional 400mm diameter, 100 or 150mm wide coulters for slopes or fixed 400mm diameter, 100 or 150mm wide fixed coulters



NEW!

KIPLINE CAMERA

Easy and precise guidance

The KIPLINE camera guides the hoe precisely with its high definition optical system which analyses the entire colour spectrum.

Available with dual camera.



The ground-breaking efficiency of the image processing enables crop rows to be detected even in the presence of thick weeds, guaranteeing high-quality hoeing in all conditions.

Acts very early on, as soon as the plant reaches 3cm in diameter.



OF 3CM ON EACH SIDE OF THE ROW

NEW!

PRECICAM INDEPENDANT GUIDING SYSTEM

PRECICAM is a full autonomous guidance system which is coupled in between tractor and hoe. This kit is easy to couple or uncouple to the machine, which allow to couple different hoe configuration instantly.

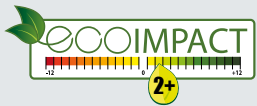


PRECICAM

- ✓ Automatic stop and recenter of guidance system at the end of the field



- ✓ Back coupling category n° 2/3 to couple all type of hoe
- ✓ Overhang reduced of 38 cm
- ✓ Transport width of 3 or 3,50 m



Under chassis clearance from 60 to 75cm, allow to be used up to a developed stadium of the crop

NEW!

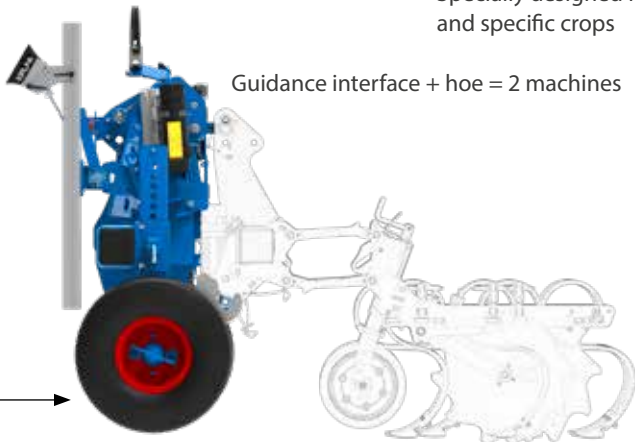
PRECICAM XS

Specially designed for vegetable and specific crops



Guidance interface + hoe = 2 machines

- ✓ Coulter wheelbase can be adjusted from 1m30 to 2m40
- ✓ Transport width of 2.40m maximum
- ✓ Control wheels with 10 ply tyres Ø550x175mm or fixed coulters Ø400mm width 100 or 150mm



Guidance with sensors for crops with rigid stems such as maize or sunflower. Mounted directly on the interface or on the element to take information as close as possible to tines.



Manual control joystick included



IN OPTION
LED Light to work at night or when brightness is low



Touch-screen monitor in the cabin for real-time monitoring of the guidance with an integrated screen connected to the camera.

The ergonomic design and ease of use of the touch-sensitive console makes it very user-friendly.





The ultimate solution for working on cereal crops!

FRAME

- 3-point hitching with anti-rotation pins category n°2/3
- Mechanically welded frame in 120x5mm square beams
- With or without camera guidance system
- Hydraulic retraction to 3m

THE ELEMENT

- Parallelogram mounting
- 1 or 3 flat shares on rigid upright whose height can be adjusted
- Adjusting share depth using handle
- Ploughshare approach angle adjustable with handle
- Comb harrow at rear of element
- Safety spring



Double hydrau-mechanical safety locking (transport and work)

- Pair of fixed coulters ø400x100mm included with camera guidance system
- Road light and signals included



OUR RECOMMENDATIONS

Width (m)	Spacing between rows (cm)	Number of rows	Number of tines per element	Power requirement (HP)	Weight (kg) *
Fixed frame					
3	15	20	3	70	760
	16,7	18	3		755
	20	15	1		1125
			3		700
	25	12	1		1020
			3	645	
Folding frame					
4	15	26	3	90	1410
	16,7	24	3		1355
	20	20	1		1915
			3		1240
	25	16	1		1705
			3	1245	
6	15	40	3	110	1740
	16,7	36	3		1640
	20	30	1		2700
			3		1520
	25	24	1		2300
			3	1410	

Wide width ECONET



To hoe wide width and drive safe!

THE FRAME

- 3 point hitch with anti-rotation pin category 2/3
- Welded frame in square beam 120x5mm and 140x8mm
- Sequential hydraulic folding to 3 m

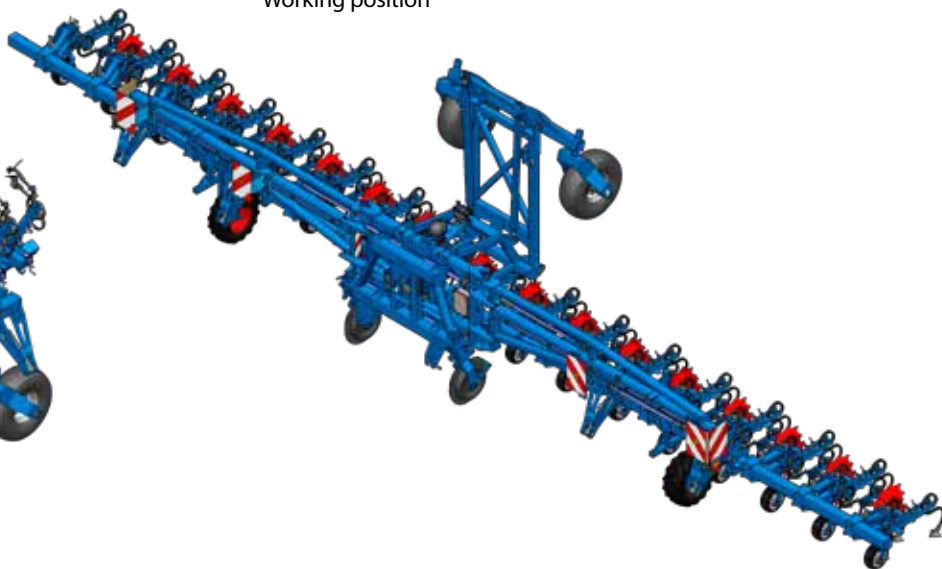
Transport position



Double hydrau-mechanical safety locking (transport and work)

- 3 stabilizer coulters Ø 500 mm included
- 2 pairs of depth control wheel Ø584x236mm
- Road light and signals included

Working position



Available with Integrated Guidance System SGI

OUR RECOMMENDATIONS

Number of rows	Spacing (cm)	Recommended elements	Power (Hp)	Weight (Kg)*
Sugar Beet				
24	45-50	E or I	180	3700 to 4000
Maize				
16	75-80	L or B	180	3600 to 3800

* According to equipment



THE EQUIPMENT

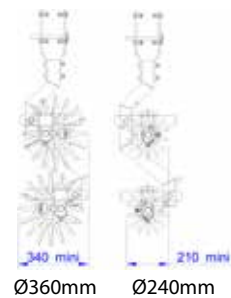
Netline can work in the rigid or floating position on soft soil and can be retracted when required
 Flexible star Ø360mm 16 tines, thickness 12mm or flexible star Ø240mm 14 tines, thickness 10mm

Fitted at the back of the element for inter-row from 0.45m to 0.69m.
 Compatible with ECONET F and ECONET with pushed linkage.



Not compatible with comb option

S fitting type

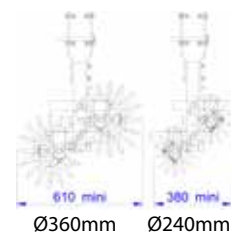


Mounted at rear of unit for inter-row of 0.70 to 1 m.
 Compatible with ECONET F and ECONET with push coupling.



Compatible with rear comb option

Straight fitting type



Mounted on the hoe beam for row spacing of 0.65 m to 1 m.
 Compatible with ECONET depending on configuration.



Not compatible with comb option

Beam-type mounting



FERTILOC EQUIPMENT and FERTI KIT

FERTILOC on RIGID ECONET : solid fertilization localized



Fertiloc on rigid Econet

THE GOOD DOSIS AT THE RIGHT TIME IN THE RIGHT PLACE !

- ✓ For inter-rows from 45 to 80 cm up to 12 rows
- ✓ 250 l hopper with an anticorrosion treatment
- ✓ 2 or 3 metering units with independent adjustment
- ✓ 2 trapdoors for hopper emptying
- ✓ Screw handle on the tank outside to make tries
- ✓ Hopper grid
- ✓ Mechanical rate control by a pressure spring mounted wheel
- ✓ Agitation spiral in the hopper bottom for an even feed to the metering unit and optimising hopper emptying
- ✓ Hopper hood made from supple sheet in order to maximise hopper filling
- ✓ Rotation markers of distribution to double total volume

FERTI KIT for FRONT HOPPER : solid fertilisation localizer



FERTI KIT on folding ECONET

WEIGHT BALANCE AND ACCURATE DOSING !

- ✓ For inter-rows from 45 to 80 cm up to 16 rows
- ✓ Distribution head with 4 to 16 nozzles
- ✓ Hopper connection column Ø154mm
- ✓ Ø65mm down pipe
- ✓ Diffuser with Ø50mm decompression cyclone
- ✓ Adjustable Ø45mm diffuser pipe for perfect positioning of the fertiliser

SPRAY KIT



Localised liquid fertilising and spraying!

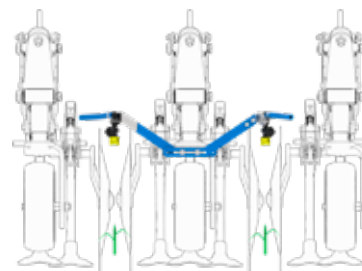
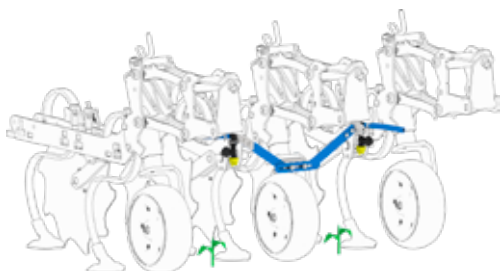
Piping protection tarp over the entire machine.

Quick coupling on Ø18mm central output

THE EQUIPMENT

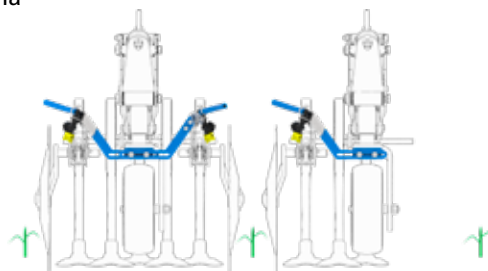
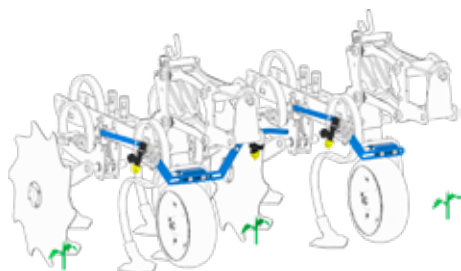
Spraying over the 1 jet row

Stainless steel flat jet 40° with drip plate
Flow rate from 40 to 150 L/ha



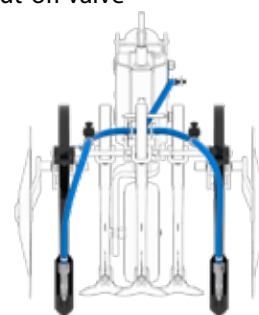
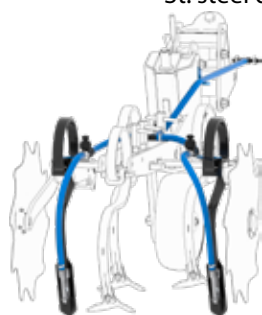
Spraying on the 2-jet row

Stainless steel flat jet 40° with drip plate
Flow rate from 40 to 150 L/ha



Fertilisation with injector on either side of the row

St. steel strip till mounted on straight tines 38x12mm
St. steel disc Ø1 / 1.5mm with integrated anti-drip and shut-off valve
Flow rate from 80 to 400 L/ha



EQUIPMENTS - SEMLOC

Sowing seed by surface broadcasting at the same time of hoeing



2 dosing rollers for small and big seeds



8 splines distribution



2 outlets per inter-row followed by 4 double comb harrows

LIMIT SOIL EROSION AND TRAP NITRATE !













- ✓ 200L hopper with splined distributor, driven by a DPA mechanical gear or a GPS-controlled unit for dosing between 2 and 100 Kg/ha
- ✓ Blower driven by 2 electric or hydraulic motors
- ✓ Set of comb harrow to cover seeds
- ✓ Access platform with footbridge

NEW!




















GPS-controlled control unit

THE OPTIONS

Designation		Type	Use
Back chassis with track eradicator		Front F	Decompact and eradicate tractor wheel track
Sight gauge		Front F	To get a guidance landmark regarding the crop line
Rear view mirrors		Front F	Visualize dead angles to circulate safely
Depth control wheels 10PR Ø550x175mm		All	Guarantee a constant height of the beam
Transport wheels for Wide width ECONET GL		GL	Relieve tractor at transport with semi-mounted kit
Front Mounting Hitch		Rigid Single beam Double beam	Allow to use the hoe in the front of the tractor, by conserving possibility to hook at the back
Direction with collar wheel or coulters		Rigid twin beam	For an accurate guidance especially on market gardening crops
Bracket for the fixing of the tracking's modul or seat		Rigid Single beam Double beam SGI	To fasten the seat
Seat to fix on the bracket		Rigid Single beam Double beam SGI	To install an operator on the machine and guide the hoe with a manual electric control
Independent hydraulic folding of the extensions		All	Fold extension independently
Hydraulic assistance on manual guidance		Fixed and retractable	To control the hoe effortlessly
Ridging ploughshare 350mm		L, B or X	For economic ridging for inter-row fro 60 to 80cm



THE OPTIONS

Designation		Type	Use
Ridging ploughshare 600mm with adjustable wings		L, B or X	For economic ridging for inter-rows from 80cm to 1m
Discs Ø300mm		L, B or X	For precise ridging or ridge clearance
NETLINE Ø360mm star for fitting on Ø300 disc holder		L, B or X	For mechanical weeding on the crop row using soft tines. To be fitted on disc holder
Discs Ø510mm		L, B or X	For important ridging
Comb harrow in the inter-row		All	Break up the clods and put weeds roots on surface
Comb harrow on the row		All	Break up the clods and put weeds roots on surface
Adaptation for combination of discs Ø300mm and comb harrow		All	To assemble comb harrow behind the discs Ø300mm
Comb lowering kit if XL element		All	To lower the combs on the XL element
Surface measurement kit on wheel		All	Measure surface done
Deflector for L blade		I and B	Limit soil projection on the row
300mm diameter opening discs		All	Cut the surface of the ground before running the tine through it
Pressure spring kit		All	Increase the ground pressure for the tines under difficult conditions
Advanced hitch 200mm		PRECICAM ECONET SGI	Adapts itself to the tractor's constraints
LED lights		SGI / KLINEA / PRECICAM	Makes night-time working possible
Double camera		SGI / KLINEA / PRECICAM	Guides in all conditions
Hydraulic lifting of horizontal hoe elements		All	Allows hoeing even at the end of fields
Hydraulic lifting of vertical hoe elements		All	Allows hoeing even at the end of fields



To guarantee a reliable machine, robust and conform to your needs, our team do their best!



We use durable and environmentally friendly industrial methods because we are aware of the efforts that you make for the environment!



Our role : To guide you towards methods that are effective and environmentally friendly.



Nantes

Bordeaux

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