

CASTORMIX®



Silage unloader - Recycling mixer
Feeder - Straw bedder
Wrapped silage with long strands

LUCAS 
FEEDING FOR THE FUTURE !



A multipurpose range in the mixing's service !

The Castormix range has been designed for answering your more specific needs : 4 volumes from 6 to 18 m³, 2 kinds of beater bars, 2 kinds of loading (door or claw). Our recycling mixers benefit from the advantages of the Castor+ range : Castor+ beater bar, universal chute, bed-chain.

All these equipments bring you security and efficiency at work :

- Load easily by silage unloading or with self-loading door
- Reach quickly an aired and supple mixing
- Feed and spread straw serenely
- Save time and reduce your costs

Choose a multipurpose machine, simple to load, ideal for mixing, feeding and straw-bedding !



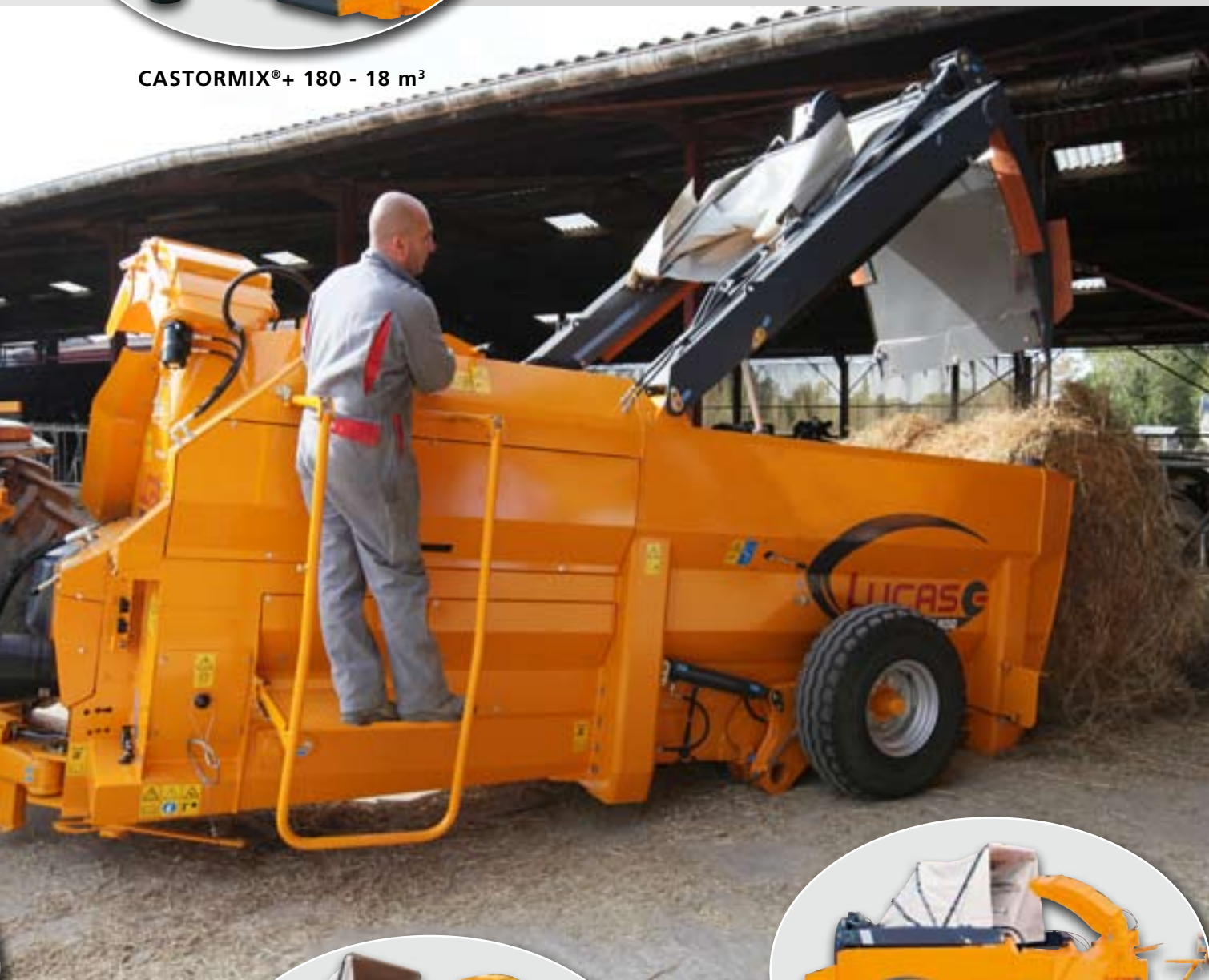
ABEILLE® 12 - 12 m³

CASTORMIX®

Silage unloader - Recycling mixer
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Wrapped silage with long strands



CASTORMIX®+ 180 - 18 m³



CASTORMIX®+ 80 - 8 m³



CASTORMIX®+ 60 - 6 m³



Couple your machine rapidly and drive easily !



**Réception
DRIRE**
Drive an
approved
machine

Choose the coupling corresponding to your machine and to your needs !

Articulated coupling



It adapts to all machines and allows manoeuvrability and comfort by driving.
The machine follows completely the tractor.
For Castormix®+ 60 and 80

Fixed coupling



With adjustable jib in 3 positions
Standard for Castormix®+ 180 and Abeille® 12.
Optional equipment for Castormix®+ 60 and 80.

Hydraulic stand



To stabilize your machine, on fixed coupling.

Start and drive your Castormix

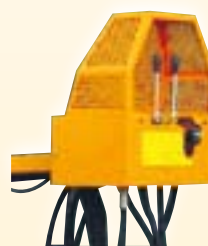
Comfort control C



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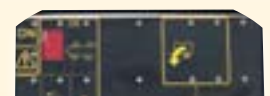
You can reach all functions with 3 fingers.
Drive instinctively and supervise your work

Manual control



Economy in control's service.
Only for Abeille® 12

Multi-functional display



Controls adapted to your expectations !



CASTORMIX®

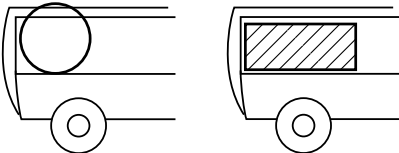
Silage unloader - Recycling mixer
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A complete range, from 6 to 18 m³

Castormix® + 60



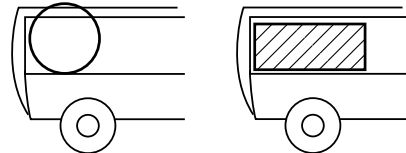
A machine of 6m³ equipped with :
1 Castor®+ beater-bar for wrapped silage with long strands



Castormix® + 80



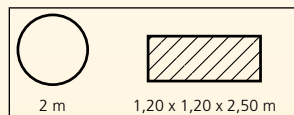
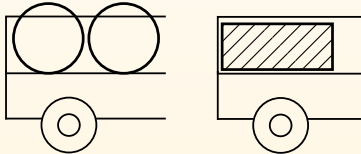
A machine of 8m³ equipped with :
2 Castor®+ beater-bars for wrapped silage with long strands



Abeille® 12



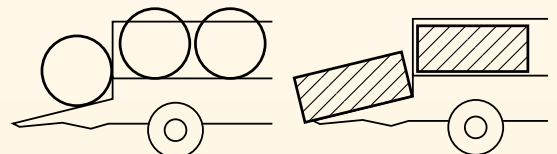
A machine of 12m³ equipped with :
3 Abeille® beater-bars for short strands



Castormix® + 180/Abeille® 180



A machine of 18m³ equipped with :
• Either 3 beater-bars Castor®+ for wrapped silage with long strands.
• Or 3 beater-bars Abeille® for short brands.



Choose a recycling mixer adapted to your needs :
Different volumes, claw or lifting rear door



Universal chute and mixing canopy



Round silage unloading claw



Lifting rear door

LUCAS



Load with a claw...

Only for Castormix®+ 80 and 60

Unload silage and load simply



Silage unloading



Loading

Claw for silage unloading



For an optimized loading

- A **clean silage** unloading : rounded claw mit automatic scraper
- A material falling in the machine : rounded claw and limited space between the claw and the tub
- A better **lifespan** : arm and rigid claw

Reliable and strong



Claw jacks located above the arm in order to avoid contact with the silage

Machine girders in U



No tub buckling for a longer life by using Machine girders in U form to protect the machine.

Equipments to help you

Mixing hopper 500 L



For adding your dry foods, we propose a mixing hopper 500 L. Available for Castormix®+ 60

2nd control station for the claw



(optional equipment for Castormix®+ 60)
For a better **visibility** during loading operation

Clean silage unloading deflector kit



To avoid the loss of fodder. It enables a better approach to the silage.
Available for Castormix®+ 80 et 60.



CASTORMIX®

Silage unloader - Recycling mixer
Feeder - Straw bedder
Wrapped silage with long strands

... as well as with a lifting rear door

Only for Castormix®+ 180 / Abeille® 180

The doors

Lifting rear door



Only for Castormix®+ 180 /Abeille®180

Hydraulic rear door



Only for Abeille® 12

Dimensions of the models

Castormix®+ 60



I : 5,09 m - L : 2,40 m - H : 2,33 m

Castormix®+ 80



I : 5,84 m - L : 2,40 m - H : 2,35 m

Abeille®+ 12



I : 6,80 m - L : 2,65 m - H : 2,70 m

Castormix®+ 180



I : 7,70 m - L : 3,10 m - H : 2,82 m

Performances Castormix®

			Castormix®+ 60	Castormix®+ 80	Abeille® 12	Castormix®+ 180
Feeding or straw-bedding	Loading capacity	Round bales hay or straw Ø maxi 2 m	1	1	2	2 + 1 on the rear door
		Cubic bales hay or straw 1,2 x 0,9 x 2,5 m	1	1	2	2 + 1 on the rear door
		Square bales hay or straw 1,2 x 1,2 x 2,5 m	1	1	2	1 + 1 on the rear door
		Round bales wrapped silage Ø 1,5 x 1,2 m	1	1	1	1 + 1 on the rear door
		Cubic bales wrapped silage 1,2 x 0,9 x 2 m	1	1	1	1 + 1 on the rear door
		Straw - Hay	15 m	15 m	18 m	18 m
		Time	Feeding or straw-spreading between 2 and 7 minutes maxi for a bale, according to material and packaging			
		Product in bale Loose food (dry food 30 or 35 %)				



Prepare a right and precise feed

- Because a well measured feed is a quality feed, Lucas proposes a **weighing system** adapted to your needs.
Except for Abeille® 12



Visualize the quantities mixed during the loading / unloading

Reliable weighing boxes...



Programmable weighing box (optional) EZ 3400

- Visualize in the menu the number of loading, the total weight and the average weight
- Up to 99 recipes from a list of 200 ingredients (EZ3400)

... can be equipped with second displays...



Wireless second display CAB CONTROL 400

- More comfort : visualize the weight from the tractor cab
- A visual and sound alarm : for a better control

...for a follow-up and a daily management of your farm

The boxes can be connected with the printer and / or with the PC
You will like that follow and share easily your datas, and manage your feeds, herds and costs.





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Wrapped silage with long strands

For shredding your bales

2 kinds of beater bars suitable to your needs :

Beater-bars Castor®+

For wrapped silage with long strands



Beater-bars for wrapped silage bales with long strands
Fast and strong shredding of your fibers
Except for Abeille® 12.

Beater-bars Abeille®

Special for short strands



Beater-bars for wrapped silage bales with short strands
You do not have long strands, reach an unequalled performance in straw-bedding !
Standard for Abeille® 12, available for Castormix®+ 180

For an optimized and fast shredding, our beater bars are equipped with :

V shaped knives



They cut wrapped silage and strands
Their action is aggressive and efficient for saving time and for an optimal shredding



Regulating hydraulic comb



You can regulate the silage unloading according to the material and from the tractor cab
It keeps the beater bar aggressive.
It guarantees like that a better output and then a more efficient and faster shredding.
Available for Castormix®+ 180 and 80.
In series for Castormix®+ 60.

The chain-bed : to carry the foods up to the beater bars

Regulated chain-bed conveyor



Driving forward or reverse running

Splittable bars



The bars of the bed-chain can be dismantled easily !
They are not welded, but bolted and made in heavy steel tensile strength

Bed-chain tensioner



To adjust your bed-chain rapidly and simply from the outside your machine

LUCAS 



Mix, and then feed and spread straw

Choice of the feeding chute



In order to answer your requirements we have developed 3 kinds of chute :

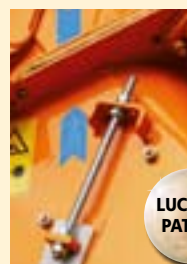
Feeding and straw-bedding

• Universal chute



Fluid and regular output, controlled from your tractor
Swivelling 270°
Except for Abeille® 12

• Scraper cut-off plate



For a regular feeding and no more stuffing problems !

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Abeille® 12

• Swivelling mixing chute



Only for Abeille® 12

• Right lateral chute



Regular feeding
Straw-bedding can reach 18 m
Only for Abeille® 12.

• Mixing canopy



In order to have a supple and aired recycling mixing, a canopy is mounted on the back part of the tube.

You can choose two ways of feeding :

• Direct feeding



The foods are directly laid on the ground

• Feeding via the slide



The foods slide, and are then laid on the ground



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Your dealer accompanies you

Your dealer, as a LUCAS partner, is staying at your disposal to help you by using your machine and for its maintenance. If necessary, the Lucas technicians intervene for your machine. Do not hesitate to contact them for :

Your filters



- Maintain your filters. Make one change per year

Your knives



- Maintain your knives for a good cutting !
For a good functioning of the machine, replace the knives as soon as necessary.

Your bed-chain



- Maintain your bed-chain
For more efficiency, think to tighten it regularly !
The splittable bars of the bed-chain can be dismantled easily !

For an optimal service of spare parts, we work with a stock :
For 95 % of the orders, the parts are dispatched at the latest the day following their receipt



Give a new youthful to your machine !

Your LUCAS approved dealer is staying at your disposal for renovating the machine before reselling it

Demonstrations

You are interested and want to see a machine working ?
Do not hesitate to contact us



Please contact :

- your LUCAS dealer
- directly the firm LUCAS
- by mail commercial@Lucasg.fr
- or by phone 00 33 251654136

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Wrapped silage with long strands

SPECIFICATIONS

		CASTORMIX®+ 180 ABEILLE® 180	ABEILLE® 12	CASTORMIX®+ 80	CASTORMIX®+ 60
CAPACITY	Tub Volume (m3)	17,5	12	7,4	6
	Mixing volume (m3)	18,7	11,8	7,9	6,45
	Loading capacity (m3)	16	10,5	6,7	5,25
	Inside length (m) (door or claw closed)	4,9	3,83	3,77	2,97
	Inside length (m) (open door)	6,9	5,63		
	Bales for loading	Round / "bigs"	Ø 1,8 x 1,2 m L 2,8 x 1,2 x 1,2	Ø 1,8 m L 2, 8m	Ø 1,8 m L 2, 8m
		Square	1,2 x 1,2 x 2,5 m	1,2 x 1,2 x 2 m	1,2 x 1,2 x 1,5 m
	Unloaded Weight (kg)	4550	3460	3300	2870
	Useful load (T)	6,3	5	3,3	2,2
DIMENSIONS	Axle	square of 90	square of 80	square of 70	square of 60
	Overall length (m)	7,7	6,8	5,84	5,09
	Overall height (m) canopy folded	2,82	2,7	2,35	2,33
	Overall height (m) canopy in mixing position	3,7	3,45	3,25	3,25
	Overall width (m)	2,4	2,65	2,31	2,31
	Silage unloading height (m)	3,5	3,5		
	Feeding height (m)	1,4	1/1,4	1,5	1,5
	Straw-spreading height (m)	3,2	1,9	2,5	2,5
	Range of straw-spreading (m)	15	18	15	15
TRACTOR	Oil flow rate (L/mn)	15-45	15-45	20-45	20-45
	Minimum PTO (HP)	80	70	70	65
	Pressure (bars)	160/200	160/200	160/200	160/200
EQUIPMENTS	Comfort control	✓	•	✓	✓
	Manual control	-	✓	-	-
	Two-speed gearbox	✓	✓	✓	✓
	2nd control station	-	-	✓	•
	Articulated coupling	-	-	✓	✓
	Fixed coupling	✓	✓	•	•
	Hydraulic stand	✓	-	•	•
	Electric clutch	✓	-	•	•
	Mixing hopper 500 L	-	-	-	•
	Not programmable weighing	•	-	•	•
	Programmable weighing	•	-	•	•
	Universal Swivelling chute	✓	-	✓	✓
	Right lateral chute	-	✓	-	-
	Swivelling mixing chute	-	•	-	-
	Extended chute U	-	-	•	•
	Mixing canopy	✓	✓	✓	✓
	Beater-bar Castor+	✓	-	✓	✓
	Beater-bar Abeille	•	✓	-	-
	Regulating hydraulic comb	•	-	•	✓
	Regulated bed-chain	✓	✓	✓	✓
	Lifting rear door	•	-	-	-
	Hydraulic rear door not for loading	•	-	-	-
	Round silage unloading claw	-	-	✓	✓
	Clean silage unloading deflector kit	-	-	•	•

✓ In series • Optional equipment - Not available



These machines complies with the safety norms



Distributed by :

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