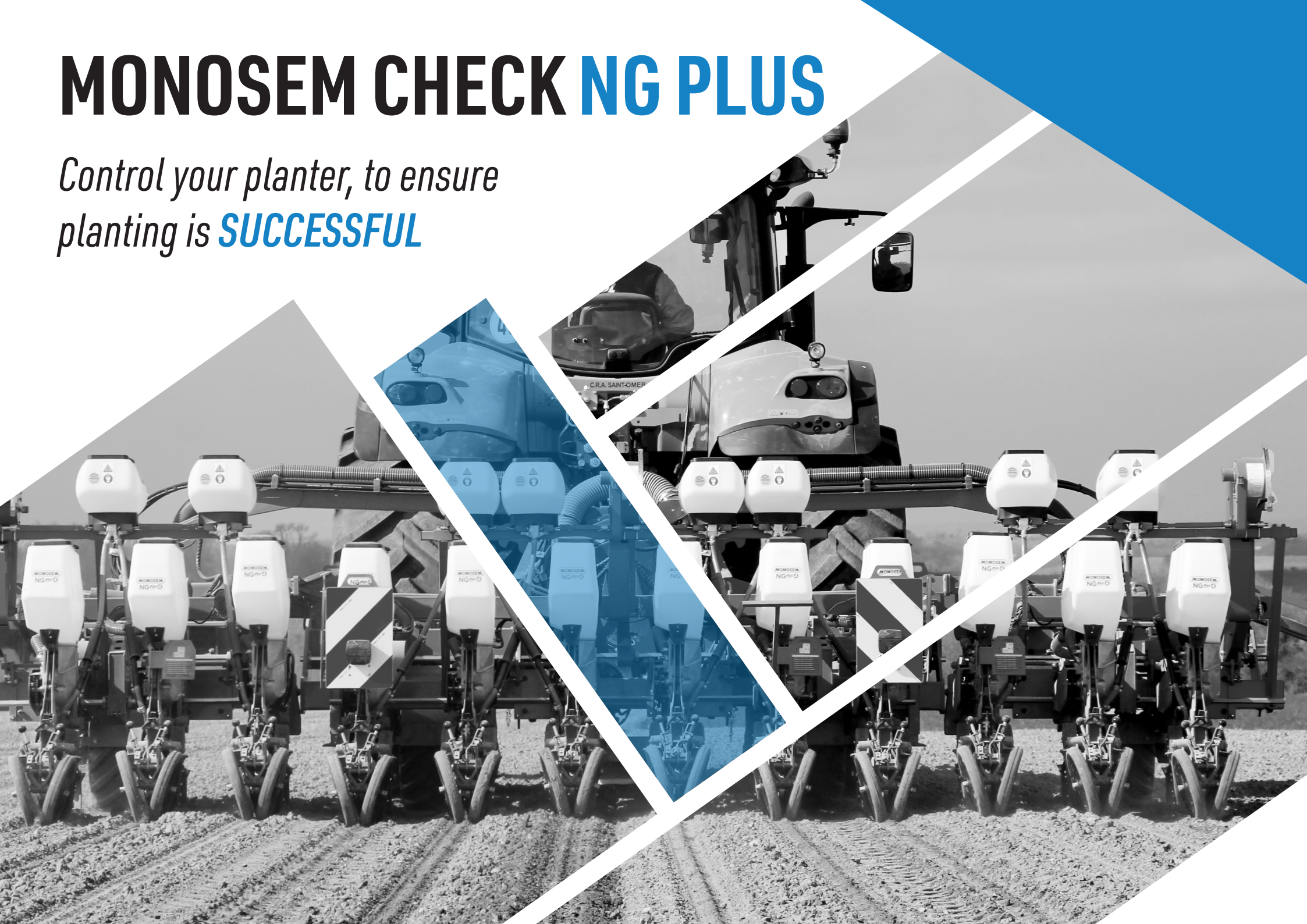
MONOSEM CHECK NG PLUS

*Control your planter, to ensure planting is **SUCCESSFUL***



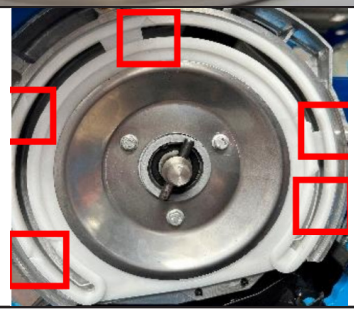
MONOSEM CHECK NG PLUS

Last name / first name :	
E-mail :	
Date of inspection :	
Address :	
City :	
Postal code :	
Planter model :	
Serial number :	
Year :	

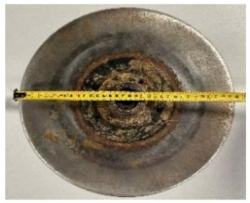
1 - VACCUM SYSTEM

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. PIPES AND HOSES	- Check the condition of the hoses: tightness and condition (no punctures or cuts).	A loss of suction can lead to gaps in the seeding and an irregularity in planting.		+	N/C	-	
02. TURBINE BELT	- Remove and check the condition of the belt. If there are any snags, cracks, or uneven wear: replace the belt. When reassembling, check the belt tension using the 'EasyTension' app.			+	N/C	-	
03. TURBINE BEARINGS	- Remove the belt and then rotate the pulley by hand. If there is any play and/or abnormal noise: replace the bearings.			+	N/C	-	

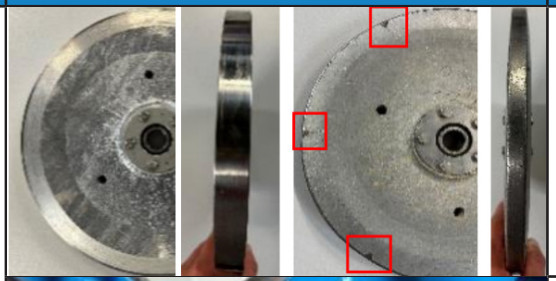
2 - DISTRIBUTION BOX

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. COVER	- Check for leaks and the locking of the drain hatch (check the condition of the spring).	Poor selection = doubles or misses = poor regularity and seed density.		+	N/C	-	
02. SELECTORS + SUPPORT PINS + EJECTORS	- Check the wear and dirt buildup on the selector: replace if no offset is felt on the upper part. - Check that the support pins and the ejector spring are not seized.			+	N/C	-	
03. SEEDING DISCS	- Check the wear of the discs: replace if there are circular scratches of 0.5 mm. Number the discs and put them back in the same distribution box.			+	N/C	-	
04. WEAR CROWN	- Check the wear crown: replace if the wear indicators (symbols: < >) are no longer visible. -The discs, friction inserts, agitators, and selectors are to be changed simul-taneously.			+	N/C	-	

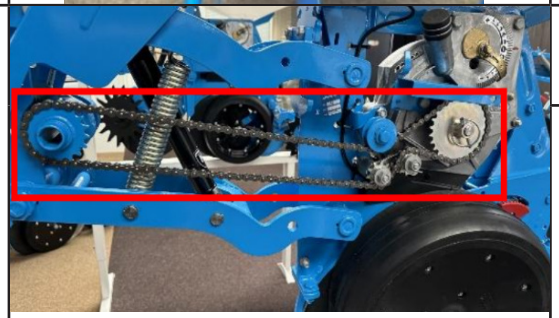
3 - PLANTING

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. GAUGE WHEEL ARMS	- Remove the gauge wheels and check the wear of the gauge wheel arms. Replace if there is excessive play in the gauge wheel arms.			+	N/C	-	
02. DOUBLE-DISC OPENERS	- Check the wear of the discs: replace if diameter < 360 mm (contact area between the two discs ≥ 4-5 cm). - Right disc = pin pitch to right Left disc = pin pitch to left.	Worn discs result in poor seeding depth. Loss of 5-10% yield.	New (380 mm) Worn (<360 mm)  	+	N/C	-	
03. SCRAPERS	- Scrapers: replace if worn (adjust to be in contact with the disc).	When the scraper are no longer in contact with the discs, the soil sticks to the disc and stops them from turning.		+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
04. SHOES AND TIPS	- Replace the tip if it is rounded.	A worn tip (rounded) forms a U-shaped furrow instead of a V-shaped furrow, causing the seed to roll in the furrow, leading to improper seed spacing and premature wear of the PRO wheel. Loss of 5-10% yield.		+	N/C	-	
05. BEARINGS	- Bearings: check the spacing at the press wheels, gauge wheels, closing wheels, and depth wheels.			+	N/C	-	
06. CHUTE TUBE	- No wear tolerated.	A chute in poor condition will lead to poor seed descent and incorrect placement in the furrow.		+	N/C	-	
07. SEED COUNTING CELLS	- To be replaced if counting is faulty. Clean with compressed air, a clean damp cloth, or a soft brush.			+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
08. PRO WHEEL	- To be replaced when wear indicators appear (decrease in the thickness of the wheel, not the diameter).	Good seed placement promotes rapid and uniform germination.		+	N/C	-	
09. PRO WHEEL SUPPORT	- Check the adjustment of the pro wheel support.			+	N/C	-	
10. REAR BLOCK SPRINGS	To be replaced if springs are broken or missing.	Closing wheels are used to close the furrow after the seed has been deposited. They contribute to ensuring adequate contact between the seed and the soil, thereby promoting uniform germination and optimal crop growth.		+	N/C	-	
11. REAR BLOCK	- Check the condition of the screws or the silent blocks.			+	N/C	-	
12. REAR BLOCK WHEELS	- Replace the bearings if there is any play or shifting in the wheels.			+	N/C	-	

4 - MECHANICAL DRIVE

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. WHEEL BLOCKS	- Check the condition and tension of the chains. - Grease before each campaign.	The wheel blocks influence the drive of the planter and therefore the quantity of seeds/hectare and the distance between seeds.		+	N/C	-	
	- Dog clutch inspection: turn only one wheel by hand in reverse to check for ratcheting of the freewheel.			+	N/C	-	
	- Check tire pressure: adjust if necessary, according to MONOSEM recommendations. CAUTION -100 g => +1000 seeds/ha.			+	N/C	-	
02. SPACING GEAR BOX	- Check the alignment of the chain and the locking of the sprockets.			+	N/C	-	
03. CHAINS AND SPROCKETS (on the row unit)	- Check for the absence of stiff points in the chains.	The chains and sprockets drive the distribution box, so it is important to ensure that they remain in good condition to ensure proper seed density.		+	N/C	-	
	- Check the dog clutch of the unit head, the chain, and the chain tensioner pulleys.			+	N/C	-	

5 - FERTILIZER

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. HOSES	- Check the condition of the hoses: no pinching or cutting.	Punctured hoses will result in leaks and poor pneumatic product transport.		+	N/C	-	
02. FERTILIZER SHOE	- Check the wear of the shoes (replace if rounded and length is less than -1.5 cm).	Poor application depth of fertilizer products can result in seed burn.		+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
03. DOUBLE DISCS FERTILIZER	- Double-discs burying units (replace if diameter < 300 mm).	Poor application depth of fertilizer products can result in seed burn.		+	N/C	-	
	- Disc scrapers: adjust or replace if they no longer rub against the disc.			+	N/C	-	
	- Check that the shoes or the burying discs are offset from the seed line by +/- 7 cm to the right or left.			+	N/C	-	
04. PLASTIC CYCLONES	- Check the condition of the plastic cyclones: replace if broken or punctured.			+	N/C	-	

6 - MICROSEM

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. DOSING UNITS	- Check the condition of the housings and the augers: replace if they are seized.	Microsem units in good condition ensure the right dose is applied in the right place !		+	N/C	-	
02. HOSES	- Check the condition of the hoses: no cuts.			+	N/C	-	