CEBIS MOBLE guide

CLAAS LEXION combines

CEBIS MOBILE guide

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Images and content are intended to cover ALL features and options available on 2018 LEXION combines. Content may vary on each machine configuration.

LEXION Model:	780-670
Build Year:	2018
Effective Date:	6/1/2018
Last Revision:	7/18/2018

CEBIS MOBILE display

Description	
1	Selected crop
2	Threshing drum speed and concave position
3	Header
4	Grain fill level
5	Fan speed
6	CEMOS AUTO CLEANING status
7	Grain moisture
8	Sieve position
9	Rotor speed
10	CEMOS AUTO SEPARATION status
11	Residue management position
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A	Throughput level
B	CEMOS CRUISE PILOT strategy
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13	Additional display area - As defined by the operator
A	4D cleaning position
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C	Optimization strategy slider
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1. Selected crop

When to perform: if CEMOS AUTO performance is less than desired

Navigate to: click directly on selected crop icon

Harvest conditions

Straw condition

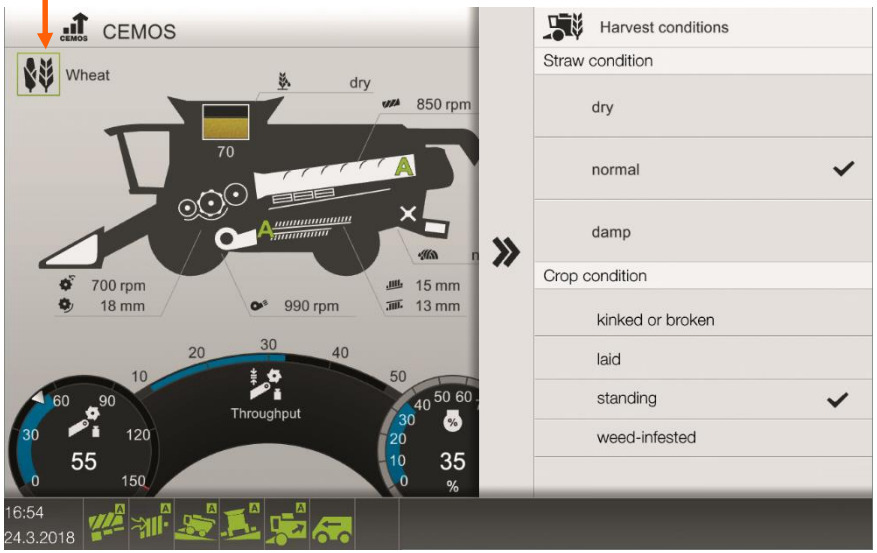
Setting changes the aggressiveness of CEMOS AUTO adjustments

- Dry: straw moisture is dry (least aggressive)
- Normal: straw moisture is normal
- Damp: straw moisture is damp (most aggressive)

Crop condition

Setting changes the aggressiveness of CEMOS AUTO adjustments

- Kinked or broken: crop condition is kinked or broken (most aggressive)
- Laid: crop condition is laid
- Standing: crop condition is standing (least aggressive)
- Weed-infested: crop condition is weed-infested



2. Threshing drum speed and concave position

When to perform: if threshing performance is less than desired

Navigate to: click directly on threshing icon

Optimize

Threshing mechanism

Grain quality

- CEMOS dialogue will make recommendations to improve grain quality

Untreshed crop

- CEMOS dialogue will make recommendations to reduce untreshed crop

3. Header

When to perform: if header performance is less than desired

Navigate to: click directly on header icon

Optimize

Front attachment

Losses

- CEMOS dialogue will make recommendations to improve header losses

Material flow / harvest display

- CEMOS dialogue will make recommendations to improve material flow of header

4. Grain fill level

When to perform: if grain sample is less than desired

Navigate to: click directly on grain tank icon

Optimize

In the grain tank

Grain quality

- CEMOS dialogue will make recommendations to improve grain quality

Untreshed crop

- CEMOS dialogue will make recommendations to reduce untreshed crop

6. CEMOS AUTO CLEANING status

When to perform: if cleaning performance is less than desired

Navigate to: click directly on cleaning area icon

Optimize

Cleaning system

Returns grain proportion
- CEMOS dialogue will make recommendations to reduce amount of grain in the returns

Returns colume
- CEMOS dialogue will make recommendations to reduce amount of material in the returns

Cleaning losses
- CEMOS dialogue will make recommendations to reduce cleaning losses

Cleanliness
- CEMOS dialogue will make recommendations to improve cleaniness of grain sample

AUTOMATIC

- Green: CEMOS AUTO CLEANING on
- Grey: CEMOS AUTO CLEANING off

10. CEMOS AUTO SEPARATION status

When to perform: if separation performance is less desired

Navigate to: click directly on separation area icon

Optimize
Separation Separation losses ▪ CEMOS dialogue will make recommendations to reduce separation losses Untreshed crop ▪ CEMOS dialogue will make recommendations to reduce untreshed crop
AUTOMATIC ▪ Green: CEMOS AUTO SEPARATION on ▪ Grey: CEMOS AUTO SEPARATION off

11. Residue management position

When to perform: if residue management performance is less than desired

Navigate to: click directly on residue management area icon

Optimize

Chopping straw and spreading chaff

Fuel consumption
- CEMOS dialogue will make recommendations to reduce fuel consumed

Chopper
- CEMOS dialogue will make recommendations to improve chopping quality

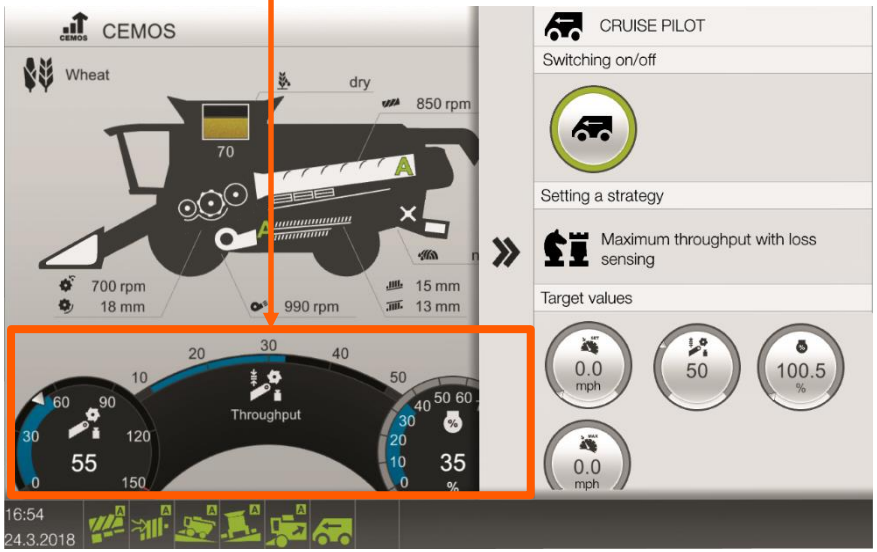
Spreading pattern
- CEMOS dialogue will make recommendations to improve residue spreading pattern

12. CEMOS CRUISE PILOT status bar

When to perform: initial set up of CRUISE PILOT

Navigate to: click directly on CRUISE PILOT status bar

CRUISE PILOT
Switching on/off Master switch to activate or deactivate CRUISE PILOT ▪ Green: CRUISE PILOT on ▪ Grey: CRUISE PILOT off
Setting a strategy Cruise control ▪ Combine harvests at a constant speed Constant throughput ▪ Automatically adjusts ground speed to maintain a constant throughput based on the crop thickness measured in the feederhouse Maximum throughput with grain loss sensing (recommended) ▪ Automatically adjusts ground speed to maintain a constant throughput (bu/hr), while maintaining acceptabler grain loss within the limits of the loss monitor
Target values Set target values for CRUISE PILOT ▪ Target speed: Set desired speed to be maintained when operating in cruise control strategy ▪ Target throughput: Set desired throughput level to be maintained when operating in either throughput strategy ▪ Target engine load: Max engine load that is allowed when CRUISE PILOT is engaged ▪ Maximum ground speed: Set the maximum ground speed limit the is allowed when no or minimal crop flow is registered by the feederhouse volume sensors



13. Screen configuration

When to perform: optimize screen configuration to operators desire

Navigate to: click directly on settings icon

Screen configuration

Additional sdisplay area selection

Screen 1
- 4D cleaning status
- Machine equipment

Screen 2
- Harvest conditions
- GRAIN QUALITY CAMERA image

Screen 3
- CEMOS AUTO optimization sliders

13 A. Machine equipment

When to perform: initial setup of CEMOS AUTO, ensure machine equipment matches machine configuration

Navigate to: screen 1, if selected in screen configuration

Harvest conditions

Threshing segment

ITS are installed on the back-side of the pre-concave to increase the pitch of the pre-concave to ensure more wrap on the threshing cylinder

- Installed: Intensive Threshing Segment (ITS) installed
- Not installed: Intensive Threshing Segment (ITS) not installed

Disawner plates

Lever open/closes blanking plates under the APS grates

- Open: lever on right side feederhouse is flipped down
- Closed: lever on right side feederhouse is flipped up

13 B. Harvesting conditions

When to perform: if grain sample is less desired

Navigate to: screen 2, if selected in screen configuration

Harvest conditions

Straw condition

Setting changes the aggressiveness of CEMOS AUTO CLEANING adjustments

- Dry: straw moisture is dry (least aggressive)
- Normal: straw moisture is normal
- Damp: straw moisture is damp (most aggressive)

Crop condition

Setting changes the aggressiveness of CEMOS AUTO CLEANING adjustments

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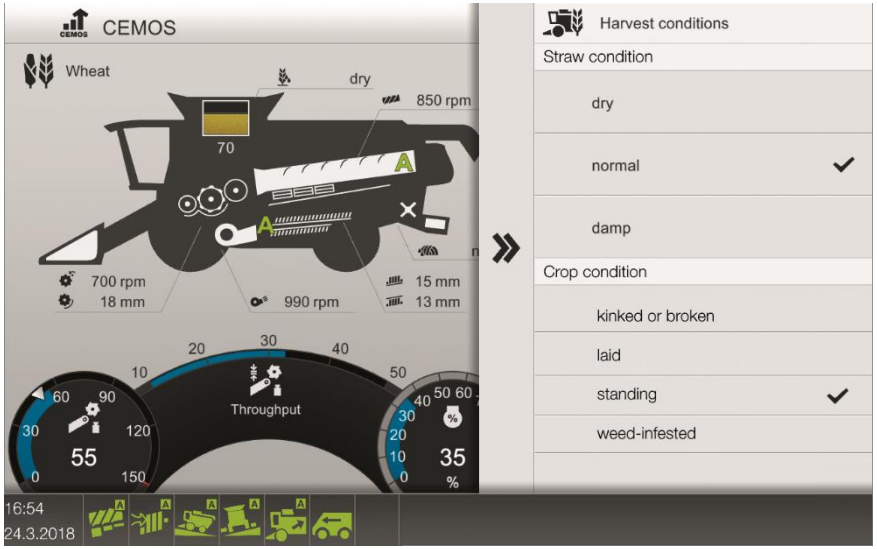


13 C. Optimization strategy slider

When to perform: if CEMOS AUTO performance is less than desired

Navigate to: screen 3

Optimization strategy

Improving cleaniness - Increasing throughput

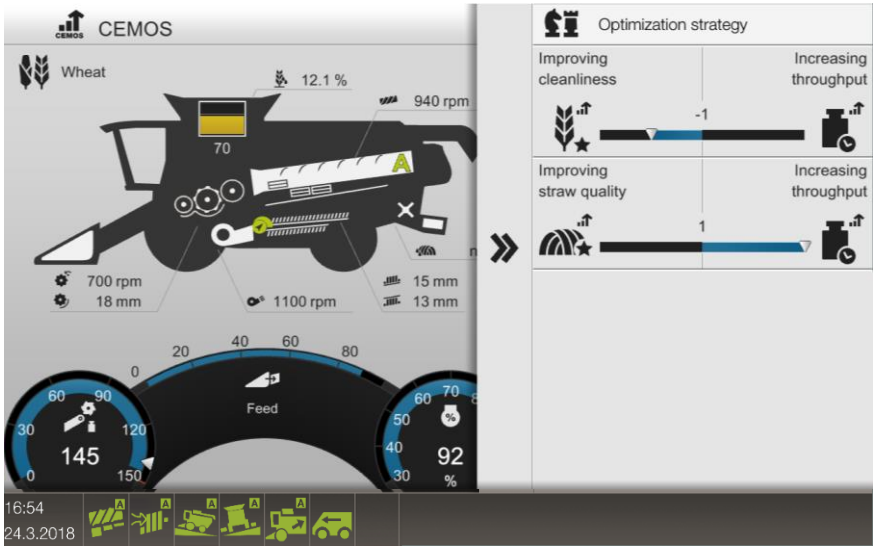
Setting changes the aggressiveness of CEMOS AUTO CLEANING adjustments

- Improving cleaniness: CEMOS AUTO CLEANING aims to produce a cleaner sample
- Increasing throughput: CEMOS AUTO CLEANING aims to maximize throughput

Improving straw quality – Increasing throughput

Setting changes the aggressiveness of CEMOS SEPARATION adjustments

- Improving straw qaulity: CEMOS AUTO SEPARATION aims to run lowest rotor speed
- Increasing throughput: CEMOS AUTO SEPARATION aims to maximize throughput



14. Automatic modes status bar

When to perform: activate or deactivate configured automatic features

Navigate to: automatic modes status bar

Switching on/off

AUTOMATIC
Master switch to activate or deactivate CEMOS AUTO SEPARATION
- Green: CEMOS AUTO SEPARATION on
- Grey: CEMOS AUTO SEPARATION off

Master switch to activate or deactivate CEMOS AUTO CLEANING
- Green: CEMOS AUTO CLEANING on
- Grey: CEMOS AUTO CLEANING off

AUTO SLOPE
Master switch to activate or deactivate AUTO SLOPE
- Green: AUTO SLOPE on
- Grey: AUTO SLOPE off

4D cleaning
Master switch to activate or deactivate 4D cleaning
- Green: 4D cleaning on
- Grey: 4D cleaning off

AUTO CROP FLOW
Master switch to activate or deactivate AUTO CROP FLOW
- Green: AUTO CROP FLOW on
- Grey: AUTO CROP FLOW off

CRUISE PILOT
Master switch to activate or deactivate CRUISE PILOT
- Green: CRUISE PILOT on
- Grey: CRUISE PILOT off