

# CEBIS and controls guide

**CLAAS LEXION combines** 



| Company: | CLAAS of America Inc.                      |
|----------|--|
| Address: | 8401 South 132nd Street<br>Omaha, NE 68138 |
| Phone:   | 402-861-1000                               |
| Fax:     | 402-861-1003                               |
| Website: | www.claas.com                              |

Images and content are intended to cover ALL features and options available on 2017 LEXION combines. Content may vary on each machine configuration.

LEXION Model:780-670Build Year:2017Effective Date:6/1/2017Last Revision:6/20/2017

2





## Contents

| Console functions             | 5  |
|-------------------------------|----|
| CEBIS monitor                 | 14 |
| Recommended starting settings | 40 |



Layout

### Features

| 1 | CEBIS display        |
|---|----------------------|
| 2 | Multi-function lever |
| 3 | Operator console     |





## **Console functions**





### Turn on engine

1 Turn key to the right to start engine

2 Allow CEBIS to load before proceeding

### Turn off engine

Turn key to the left to stop the engine
 If discounting the battery switch, wait two minutes to allow DEF lines to purge





# Lighting



| Procedure |   |
|-----------|---|
| 1         | Rotate master light switch to far right position to turn lights on  |
| 2         | With the master light switch on, the lights can be turned on/off individually by pressing their respective buttons                                  |
| 3         | Beacon lights can be turned on/off regardless of dial position  |
| 4         | Beacon lights settings can be changed in CEBIS<br>Factory default is to turn on when the grain tank hits 70% full<br>to alert the auger cart driver |

CLAA5



Green indicates light is on

## **Button layout**

| 1  | Left click dial                      |
|----|--------------------------------------|
| 2  | Right click dial                     |
| 3  | CEBIS rotary dial                    |
| 4  | HOTKEY rotary dial                   |
| 5  | Feederhouse engage                   |
| 6  | Processor engage                     |
| 7  | Header reverser                      |
| 8  | Multi-function trigger rocker switch |
| 9  | Gear select                          |
| 10 | Park brake                           |
| 11 | Grain tank open/close                |
| 12 | Rear wheel assist                    |
| 13 | Throttle                             |
| 14 | Hazard lights                        |
| 15 | Road mode switch                     |
| 16 | Spot lights                          |







### Multi-function lever

A. CMOTION multi-function lever



9

| F  | Forward                                 |
|----|---|
| R  | Reverse                                 |
| 1  | Joystick pattern                        |
| 2  | Pre-set cutting height (ground contact) |
| 3  | Pre-set cutting height (fixed           |
| 4  | Manual feederhouse raise                |
| 5  | Manual feederhouse lower                |
| 6  | Reel position control button            |
| 7  | Feederhouse brake                       |
| 8  | Unloading on/off                        |
| 9  | Unloading tube out/in                   |
| 10 | A-button                                |
| 11 | HOTKEY trigger                          |
|    |   |

B. Standard multi-function lever



**ELAAS** 



## Transmission gear select

| Procedure |   |
|-----------|---|
| 1         | Stop and engage parking brake   |
| 2         | Firmly apply the foot brakes  |
| 3         | Tap the gear selector switch (A)<br>(+) Shift up<br>(–) Shift down                      |
| 4         | CEBIS will beep (3x), confirming gear change, as<br>CEBIS screen shows the new gear (B) |
| 5         | Release the foot brakes   |



| 2 speed gearbox                     | 3 speed gearbox                   |
|-------------------------------------|-----------------------------------|
| <ul><li>780TT</li><li>780</li></ul> | <ul><li>750</li><li>740</li></ul> |
| • 760TT                             | • 730P                            |
| • 760<br>• 750TT                    | • 730<br>• 670TT                  |
| • 740TT                             | • 670                             |





### POWERTRAC rear wheel assist





### Processor & feederhouse on/off

### **Processor engagement**

| 1 | Throttle to low (A)                             |
|---|---|
| 2 | Squeeze the yellow knob and collar, pull up (B) |
| 3 | Switch remains up                               |

| Feederhouse & header engagement |   |  |
|---------------------------------|---|--|
| 1                               | Throttle to low (A)                             |  |
| 2                               | Squeeze the yellow knob and collar, pull up (C) |  |
| 3                               | Switch pops down<br>System remains engaged      |  |

|           | Disengage   |  |
|-----------|---|--|
| Processor | Push the processor switch down<br>This will disengage header as well                                      |  |
| Header    | <ol> <li>Push the header switch down</li> <li>Tap header brake on the<br/>multi-function lever</li> </ol> |  |





## Multi-function trigger rocker switch

|   | Positions   |
|---|---|
| 1 | Header tilt   |
| 2 | HOTKEY adjustment   |
| 3 | CLAAS header functions<br>MAXFLEX table flex<br>VARIO table extend/retract<br>MAXFLO conveyor reverse |









## **CEBIS** monitor





### Road travel screen

|   | Features                    |
|---|-----------------------------|
| 1 | Main menu header            |
| 2 | Fuel & DEF levels           |
| 3 | Coolant temp                |
| 4 | Analog speedometer          |
| 5 | Engine speed                |
| 6 | Machine information window  |
| 7 | Transmission gear indicator |
| 8 | Engine hours                |
| 9 | Digital speedometer         |





### Harvest screen

|    | Features                                |
|----|---|
| 1  | Main menu header                        |
| 2  | Header cutting height (CAC)             |
| 3  | Surface of the ground                   |
| 4  | Header cutting height (ground pressure) |
| 5  | Pre-set cutting heights above           |
| 6  | Machine information window              |
| 7  | Menu header icon display                |
| 8  | User defined display                    |
| 9  | POWER TRAC status                       |
| 10 | Returns volume                          |
| 11 | GRAINMETER                              |
| 12 | Separation loss display                 |
| 13 | Cleaning system loss display            |
| 14 | Acre counter status                     |
| 15 | QUANTIMETER status                      |



## CEBIS navigation and control select

|   | Feature                | Function   |
|---|------------------------|--|
| 1 | Click dial<br>(CEBIS)  | Rotate to move cursor and change values Push down to select/confirm                |
| 2 | CEBIS<br>rotary dial   | Switch between machine settings functions  |
| 3 | Escape button          | Back out to previous menu or function  |
| 4 | Click dial<br>(HOTKEY) | Rotate to adjust HOTKEY values<br>up/down<br>Push down to select HOTKEY<br>options |
| 5 | HOTKEY<br>rotary dial  | Menu   |
| 6 | Information            | Information about current features/settings  |
| 7 | Direct access          | Last menu setting or backup camera image   |





## CEBIS rotary dial menu (LEXION 700)

|    | Features                             |
|----|--------------------------------------|
| 1  | Reel speed adjust                    |
| 2  | Upper sieve adjust                   |
| 3  | Lower sieve adjust                   |
| 4  | Feederhouse speed adjust             |
| 5  | Rotor speed adjust                   |
| 6  | Display brightness adjust            |
| 7  | Threshing speed adjust               |
| 8  | Cleaning fan speed adjust            |
| 9  | Concave adjust                       |
| 10 | Sieve loss sensor sensitivity adjust |
| 11 | Rotor loss sensor sensitivity adjust |
|    |                                      |



## CEBIS rotary dial menu (LEXION 600)

|    | Features                              |
|----|---------------------------------------|
| 1  | Reel speed adjust                     |
| 2  | Upper sieve adjust                    |
| 3  | Lower sieve adjust                    |
| 4  | Feederhouse speed adjust              |
| 5  | Display brightness adjust             |
| 6  | Threshing speed adjust                |
| 7  | Cleaning fan speed adjust             |
| 8  | Concave adjust                        |
| 9  | Sieve loss sensor sensitivity adjust  |
| 10 | Walker loss sensor sensitivity adjust |
|    |                                       |





## HOTKEY menu (LEXION 700)

#### **Features**

| 1  | Cutting height position adjust |
|----|--------------------------------|
| 2  | Partial cutting width adjust   |
| 3  | AUTO PILOT centering           |
| 4  | Yield test weight adjust       |
| 5  | Job management                 |
| 6  | Residue management             |
| 7  | Favorites (crop settings)      |
| 8  | Rotor cover plate adjust       |
| 9  | CRUISE PILOT adjust            |
| 10 | Driving strategy adjust        |
| 11 | Auto reel speed adjust         |



## HOTKEY menu (LEXION 600)

#### **Features**

| 1  | Cutting height position adjust |
|----|--------------------------------|
| 2  | Partial cutting width adjust   |
| 3  | AUTO PILOT centering           |
| 4  | Yield test weight adjust       |
| 5  | Job management                 |
| 6  | Residue management             |
| 7  | Favorites (crop settings)      |
| 8  | CRUISE PILOT adjust            |
| 9  | Driving strategy adjust        |
| 10 | Auto reel speed adjust         |
|    |                                |





## Step 1: CEBIS language and measuring units

#### When to perform: as needed



1. Language settings: set your preferred CEBIS display language



2. Measuring unit settings: set your preferred CEBIS display units of measure

| :EE | <b>NS</b>          |
|-----|--------------------|
| Ċ,  |                    |
| Sel | ection of language |
|     | Deutsch            |
| 1   | English            |
| 8   | Français           |
|     | Español            |
|     | Português          |
|     | Русский            |

| CEBIS              |            |
|--------------------|------------|
| ФД 🔇 🚈 🖓 🌀         |            |
| Selection of units |            |
| Length             | miles      |
| Weight             | Bushel     |
| Area               | acre       |
| Volume             | gallons-US |
| Temperature        | °F         |
| Pressure           | psi        |
| Date               | mm.dd.yyyy |
| Time               | hh:mm 24h  |



## **Step 2:** Speed sensor calibration

When to perform: each header change, switching between chopping/windrowing, after belt/chain tensioning





1. Max. no-load speed calibrates the main engine speed sensor. Always perform prior to performing the learning speeds calibration

| Procedure |
|-----------|
|-----------|

| 1 | Stop and engage parking brake    |
|---|----------------------------------|
| 2 | Throttle to full                 |
| 3 | Press "OK" to learn engine speed |





2. Learning speeds calibrates speed sensors around the combine

#### **Procedure**

1 Stop and engage parking brake 2 Engage processor & header Throttle to full 3 Press "OK" to learn belt speeds 4

| 💭 🕤             |      |          |        |
|-----------------|------|----------|--------|
|                 |      |          |        |
| Learning speeds |      |          |        |
| Assembly        | unit | Required | Actual |
| Main drive      | rpm  | 2220     | 2220   |
| Threshing drum  | rpm  | 900      | 390    |
| Cleaning fan    | rpm  | 1090     | 640    |
| Feed rake speed | rpm  | 420      | 0      |
| Returns         | rpm  | 410      | 410    |
| Grain elevator  | rpm  | 350      | 350    |
| Rotor           | rpm  | 1110     | 480    |

ELA



## Step 3: Learn sieve end stops and set-up returns monitor

#### When to perform: at the start of harvest, after a sieve change or reconnecting a sieve motor

Navigate to: 💭 / 🕮 / 💵

1. Learn upper and lower sieve end stops learns the maximum range of travel of each sieve

#### Procedure

| <ul><li>2 Press "OK" to learn end stops</li><li>3 Repeat for lower sieve</li></ul> | 1 | Stop and engage parking brake |
|--|---|-------------------------------|
| 3 Repeat for lower sieve   | 2 | Press "OK" to learn end stops |
|  | 3 | Repeat for lower sieve        |





2. Learning zero returns volume and setting the returns volume limit calibrate the return elevator

#### Procedure

Stop and engage parking brake
 Engage the processor and throttle to full
 Press "OK" to learn zero returns volume
 Returns volume limit controls where the returns line sits on the harvest screen (default is 70)





### Step 4: Header type and cutting width

#### When to perform: every header change

Navigate to: 🎽 / ⊿ / 💽

| Procedure |   |
|-----------|---|
| 1         | Select header type                          |
| 2         | Set the cutting width of the current header |







## **Step 5:** Learn feederhouse travel limits

#### When to perform: every header change

Navigate to: 1

Feederhouse limits learns the maximum travel limits of: 1.



Feederhouse raise/lower



General Fore/aft header pitch (HP feederhouse only)

#### **Procedure**

- Stop and engage parking brake 1
- Engage processor and header 2
- Navigate to " " under each menu 3
- Press "OK" and follow instructions on screen 4





## Step 6: AUTO CONTOUR settings

When to perform: as needed / between different header types

Navigate to: 1/1/1/10/

1. Sensitivity and speed settings: adjust the sensitivity and rate of travel for the automatic header functions

| Setting                   |  |  |
|---------------------------|--|--|
| Cutting height adjustment | Sensitivity to terrain changes up and down                                       |  |
| Lateral leveling          | Sensitivity for side-to-side header tilt adjustment                              |  |
| Fast manual raising       | Speed when firmly pressing<br>"manual header raise" button                       |  |
| Fast manual lowering      | Speed when firmly pressing<br>"manual header lower" button                       |  |
| Automatic drop rate       | Drop speed from a headland<br>(raised) preset into a working<br>(lowered) preset |  |

| □ %  |
|------|
| □ %  |
| □ %  |
| □ %  |
| □ %  |
| 🛛 kg |
|      |
|      |
|      |



# Step 7: Setting and adjusting individual cutting heights

#### When to perform: as needed









## Step 8: Setting and adjusting individual cutting heights (cont.)

#### When to perform: as needed

| Recommended settings by header type  |  |          |  |
|--|--|----------|--|
| Lateral tilt   | Lateral tilt compensation (header sensors)                                 |          |  |
| Flex heads   | s in flex mode   | 60 – 75  |  |
| Rigid head   | Is and corn heads  | 50 - 100 |  |
| Black line represents the surface of the ground after learning cutting height limits |  |          |  |
| Vertical compensation (ground pressure sensor)                                       |  |          |  |
| Rigid heads 45 – 47  |  |          |  |
| 100  | Little to no contact with the ground, sensor bands extended                |          |  |
| 50 Light contact with ground surface, sensors bands retracted                        |  | sors     |  |
| 0 – 50   | 0 – 50 Full contact with the ground, sensor bands are completely retracted |          |  |
| Do not operate below 45  |  |          |  |





## Step 9: Setting working position

#### When to perform: as needed

Navigate to: 1/2 /

1

1. Setting the working position establishes the shutoff point for the acre counter when raising the header

#### Procedure

Set the working position slightly underneath the lowest feederhouse preset

| *⊿ ↓                                      |     |
|---|-----|
|   |     |
| Set working position for area calculation |     |
|   |     |
| 25  |     |
|   |     |
| D   | 100 |
| %   |     |
|   |     |





## Step 10: Load crop settings

When to perform: when changing to a new crop type

Navigate to: 1/1

| Options                   |  |  |
|---------------------------|--|--|
| -                         | Lists CLAAS provided settings as a starting point<br>for different crops; select to see the settings, then<br>push "OK" to set the machine to those settings |  |
| -\$                       | List of customized settings, as saved by the operator  |  |
|                           | Save the current combine settings  |  |
| Ø                         | Edit custom settings   |  |
| $\mathbf{n}_{\mathbf{n}}$ | Delete custom setting  |  |
| ۲ ال                      | Rename custom setting  |  |

Assign favorites for quick access via the HOTKEY

| ★ *                 |  |
|---------------------|--|
| ↔ ↔ ぐ ぐ ◇ ☆ 🖨       |  |
| Machine data        |  |
| Cleaning by blowing |  |
| Wheat               |  |
| Rye                 |  |
| Winter barley       |  |
| Spring barley       |  |
| Oats                |  |
| Rice                |  |
| Spelt               |  |
| set: CLAAS Rve      |  |

| ∕∕ ►≣⊷⊗                          |      |          |        |
|----------------------------------|------|----------|--------|
| Load data                        |      |          |        |
| Assembly                         | Unit | Required | Actual |
| Threshing drum                   | rpm  | 1970     | 750    |
| Cleaning fan                     | rpm  | 1500     | 1000   |
| Conveyor speed                   | rpm  | 420      | 420    |
| Threshing concave clearance      | mm   | 20       | 12     |
| Rotor                            | rpm  | 800      | 800    |
| Rotor flaps                      |      | 0        |        |
| Upper sieve                      | mm   | 20       | 15     |
| Start adjusting for crop with <0 | K>   |          |        |

## Step 11: QUANTIMETER yield setup

When to perform: start of each crop type and periodically throughout harvest to confirm accuracy

| Procedure |   |  |
|-----------|---|--|
| 1         | Enter crop type & test weight   |  |
| 2         | With machine parked and running, calibrate zero yield (                         |  |
| 3         | On test-weighing screen (1212/1) turn status to ON                              |  |
| 4         | Harvest a load of grain that can be measured (half grain tank minimum)          |  |
| 5         | Weigh the grain in the truck or cart if used                                    |  |
| 6         | $\frac{\text{Crop weight}}{\text{Test weight}} = \text{Crop yield weighed}$     |  |
| 7         | Calibration factor will adjust automatically after the crop weighed is entered. |  |



| Test-weighing<br>Status<br>Crop yield measured<br>Crop yield weighed<br>Calibration factor<br>Lateral angle<br>Longitudinal angle | ON<br>0.0 bu<br>0.0 bu<br>1.00<br>0.0 °<br>0.0 ° |
|---|--|
|   |  |

**ELAA** 

# Step 12: Calibrating the QUANTIMETER moisture sensor

### When to perform: start of each crop type and periodically throughout harvest to confirm accuracy

Navigate to: 🏂 / 🛣

| Procedure |   |
|-----------|---|
| 1         | Switch status (A) to "ON"   |
| 2         | Determine actual grain moisture   |
| 3         | Observe combine's moisture readout (C) while harvesting   |
| 4         | Adjust the "moisture correction" (B) value to<br>shift the combine readout up or down to match<br>the true moisture |









## Step 13: AUTO PILOT set-up

When to perform: at the start of harvest and whenever changing between guidance methods

Navigate to: 📀 / 🗛

| Procedure |  |  |
|-----------|--|--|
| 1         | Turn master switch "ON"  |  |
| 2         | <ul> <li>Select proper guide sensor</li> <li>No sensor</li> <li>Touch arms (corn heads with row feelers)</li> <li>GPS (not offered in North America)</li> <li>CLAAS steering interface (Ag Leader, Trimble, etc.)</li> </ul> |  |
| 3         | Turn wheels straight and press "OK" to learn the straight ahead position (   |  |
| 4         | If using touch arms (corn heads) press "OK" when arms are in default position (=)  |  |
| 5         | Engage via A-button on multi-function lever  |  |



ELAA

## Step 14: AUTO CROP FLOW

#### When to perform: as needed

Navigate to: 🗯 / 🕤 / 🗛

|   | Procedure  |
|---|--|
| 1 | Turn master switch "ON"  |
| 2 | Set sensitivity<br>Determines the sensitivity of the monitroring system; how<br>much slip is allowed |





## Step 15: Residue management

#### When to perform: as needed




# Step 16: CRUISE PILOT setup

#### When to perform: at the start of each crop type

Navigate to: 🔅 / 🎜



# Step 17: CEMOS AUTOMATIC setup

#### When to perform: at the start of each crop type

Navigate to: 🗯 / A



CLA

#### When to perform: as needed

Navigate to: 🛒 / A

|   | Procedure (4D Cleaning)  | Ar Ar   |
|---|--|---|
| 1 | With CEMOS AUTO SEPARATION enabled, 4D cleaning will be controlled automatically       | Master switch   |
| 2 | With CEMOS AUTO SEPARATION disabled, 4D can be enabled via the master switch (A)       | CEMOS AUTO CLEANING ON<br>A CEMOS AUTO SEPARATION ON<br>B AUTO SLOPE AUTOMATICS<br>4D slope dependent rotor flap control AUTOMATICS |
|   | Procedure (AUTO SLOPE)   |   |
| 1 | With CEMOS AUTO CLEANING enabled, AUTO SLOPE will be controlled automatically          |   |
| 2 | With CEMOS AUTO CLEANING disabled, AUTO SLOPE can be enabled via the master switch (B) |   |

ELAA5





### Alfalfa

Cleaning fan reduction pulley required to achieve optimal cleaning fan speed. A fixed hole lower sieve can be used to further clean grain sample, available from CLAAS parts.

| Feederhouse drum position      | Up, down if in rocks   |
|--------------------------------|--|
| Feederhouse speed              | 420 rpm  |
| Pre-concave types              | 6.5 or 6.5x40 mm keystock  |
| Pre-concave rear filler plate  | Installed  |
| Dis-awning plates              | Closed   |
| Intensive threshing segments   | Installed as needed  |
| Concave gap                    | 8 mm   |
| Threshing cylinder speed range | High   |
| Threshing cylinder speed       | 800 rpm  |
| Concave filler plates          | (3-6) installed on N18 large wire<br>concave - beginning at row #2 |
| Rotor speed                    | 900 rpm  |
| Rotor cover plates             | 2 - 4 closed   |
| Cleaning fan speed             | 450 rpm  |
| Upper sieve                    | Standard: 4<br>TM6: 4  |
| Lower sieve                    | Standard: 2<br>TM6: 2  |
| Chopper speed                  | High   |
| Stationary knives              | Engaged 100%   |
| Friction plate (TC, PC)        | Engaged, as needed   |
|                                |  |

#### Barley

For high straw quality and very dry conditions, refrain from using intensive threshing segments.

| Feederhouse drum position      | Down  |
|--------------------------------|---|
| Feederhouse speed              | 400 rpm   |
| Pre-concave types              | <u>6.5,</u> 10 or 12x40 mm                                    |
| Pre-concave rear filler plate  | Installed, only in corn models                                |
| Dis-awning plates              | Closed  |
| Intensive threshing segments   | Installed, as needed  |
| Concave gap                    | 12 mm   |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 750 rpm   |
| Concave filler plates          | (3) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 850 rpm   |
| Rotor cover plates             | Open, close as needed   |
| Cleaning fan speed             | 1100 rpm  |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15                      |
| Lower sieve                    | Deep-tooth: 0 - 2<br>Standard: 9<br>TM6: 9                    |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | Engaged, as needed  |
|                                |   |

#### Blue grass

Cleaning fan reduction pulley required to achieve optimal cleaning fan speed.

| Feederhouse drum position      | Down  |
|--------------------------------|---|
| Feederhouse speed              | 420 rpm   |
| Pre-concave types              | 6.5 or 6.5x40 mm keystock                                       |
| Pre-concave rear filler plate  | Installed   |
| Dis-awning plates              | Closed  |
| Intensive threshing segments   | Not installed   |
| Concave gap                    | 10 mm   |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 800 rpm   |
| Concave filler plates          | (4-6) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 900 rpm   |
| Rotor cover plates             | (2-3) closed, more as needed                                    |
| Cleaning fan speed             | 350 rpm   |
| Upper sieve                    | Standard: 15<br>TM6: 15   |
| Lower sieve                    | Standard: 8<br>TM6: 8   |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | Engaged, as needed  |
|                                |   |

#### Canola

V-plates can be installed for tough stem conditions, as well as the serrated impeller wear strip kit. Close rotor cover plates, one segment at a time, to improve material flow onto the cleaning shoe.

| Feederhouse drum position      | Down                          |
|--------------------------------|-------------------------------|
| Feederhouse speed              | 400 rpm                       |
| Pre-concave types              | <u>6.5,</u> 10 or 12x40 mm    |
| Pre-concave rear filler plate  | As needed only on corn models |
| Dis-awning plates              | Opened                        |
| Intensive threshing segments   | Not installed, use as needed  |
| Concave gap                    | 25 mm                         |
| Threshing cylinder speed range | High                          |
| Threshing cylinder speed       | 600 rpm                       |
| Concave filler plates          | None installed                |
| Rotor speed                    | 800 rpm                       |
| Rotor cover plates             | (1-2) closed, more as needed  |
| Cleaning fan speed             | 1000 rpm                      |
| Upper sieve                    | Standard: 14<br>TM6: 14       |
| Lower sieve                    | Standard: 6<br>TM6: 6         |
| Chopper speed                  | High                          |
| Stationary knives              | Engaged 100%                  |
| Friction plate (TC, PC)        | As needed                     |
|                                |                               |

### Corn (dry)

Set concave gap to the diameter of the cob with the round bar main concave and 2-3mm over cob diameter when using an N18 large wire concave. Set corn head deck-plate gap to slightly over the stalk diameter.

| Feederhouse drum position      | Up                             |
|--------------------------------|--------------------------------|
| Feederhouse speed              | 350 rpm                        |
| Pre-concave types              | 19x40 mm or <u>Round bar</u>   |
| Pre-concave rear filler plate  | Not installed                  |
| Dis-awning plates              | Open                           |
| Intensive threshing segments   | Not installed                  |
| Concave gap                    | 28 mm                          |
| Threshing cylinder speed range | Low                            |
| Threshing cylinder speed       | 360 rpm                        |
| Concave filler plates          | None installed                 |
| Rotor speed                    | 400 rpm                        |
| Rotor cover plates             | All open                       |
| Cleaning fan speed             | 1200 rpm                       |
| Upper sieve                    | Deep-tooth: 15<br>Standard: 18 |
| Lower sieve                    | Deep-tooth: 14<br>Standard: 15 |
| Chopper speed                  | Low                            |
| Stationary knives              | Disengaged                     |
| Friction plate (TC, PC)        | As needed                      |
|                                |                                |

### "High moisture" corn

Set concave gap to the diameter of the cob with the round bar main concave and 2-3mm over cob diameter when using an N18 large wire concave. Set corn head deck-plate gap to slightly over the stalk diameter.

| Feederhouse drum position      | Up                             |
|--------------------------------|--------------------------------|
| Feederhouse speed              | 420 rpm                        |
| Pre-concave types              | 19x40 mm or Round bar          |
| Pre-concave rear filler plate  | Not installed                  |
| Dis-awning plates              | Open                           |
| Intensive threshing segments   | Not installed                  |
| Concave gap                    | 28 mm                          |
| Threshing cylinder speed range | Low                            |
| Threshing cylinder speed       | 400 rpm                        |
| Concave filler plates          | None installed                 |
| Rotor speed                    | 450 rpm                        |
| Rotor cover plates             | Open                           |
| Cleaning fan speed             | 1350 rpm                       |
| Upper sieve                    | Deep-tooth: 15<br>Standard: 18 |
| Lower sieve                    | Deep-tooth: 14<br>Standard: 15 |
| Chopper speed                  | Low                            |
| Stationary knives              | Disengaged                     |
| Friction plate (TC, PC)        | Engage as needed               |

### Edible beans

V-plates will need to be installed for most conditions when threshing below 400rpm. Slow threshing cylinder as necessary to achieve desired sample.

| Feederhouse drum position      | Up, down if in rocks                                  |
|--------------------------------|---|
| Feederhouse speed              | 380 rpm   |
| Pre-concave types              | 6.5, 10, 12 or 19x40 mm or <u>Round</u><br><u>bar</u> |
| Pre-concave rear filler plate  | Not installed   |
| Dis-awning plates              | As needed   |
| Intensive threshing segments   | Not installed   |
| Concave gap                    | 25 mm   |
| Threshing cylinder speed range | Low   |
| Threshing cylinder speed       | 400 rpm   |
| Concave filler plates          | None installed  |
| Rotor speed                    | 500 rpm   |
| Rotor cover plates             | As needed   |
| Cleaning fan speed             | 1200 rpm  |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 16<br>TM6: 16              |
| Lower sieve                    | Deep-tooth: 2-3<br>Standard: 12<br>TM6: 12            |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | As needed   |
|                                |   |

#### Flax

| Feederhouse drum position      | Down                    |
|--------------------------------|-------------------------|
| Feederhouse speed              | 420 rpm                 |
| Pre-concave types              | <u>6.5</u> or 10x40 mm  |
| Pre-concave rear filler plate  | Not installed           |
| Dis-awning plates              | Open as needed          |
| Intensive threshing segments   | Not installed           |
| Concave gap                    | 10 mm                   |
| Threshing cylinder speed range | High                    |
| Threshing cylinder speed       | 550 rpm                 |
| Concave filler plates          | None installed          |
| Rotor speed                    | 800 rpm                 |
| Rotor cover plates             | (1-2) closed            |
| Cleaning fan speed             | 850 rpm                 |
| Upper sieve                    | Standard: 10<br>TM6: 10 |
| Lower sieve                    | Standard: 3<br>TM6: 3   |
| Chopper speed                  | High                    |
| Stationary knives              | Engaged 100%            |
| Friction plate (TC, PC)        | Engaged, as needed      |
|                                |                         |



**Grass seed (fescue, rye, ...)** Cleaning fan reduction pulley required to achieve optimal cleaning fan speed.

| Feederhouse drum position      | Up, down if in rocks  |
|--------------------------------|---|
| Feederhouse speed              | 420 rpm   |
| Pre-concave types              | 6.5x40 mm keystock  |
| Pre-concave rear filler plate  | Installed   |
| Dis-awning plates              | Open, if possible   |
| Intensive threshing segments   | Installed as needed   |
| Concave gap                    | 35 mm   |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 650 rpm   |
| Concave filler plates          | (4-6) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 750 rpm   |
| Rotor cover plates             | 2 - 4 closed  |
| Cleaning fan speed             | 650 rpm   |
| Upper sieve                    | Standard: 15<br>TM6: 15   |
| Lower sieve                    | Standard: 10<br>TM6: 10   |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | Engaged, as needed  |
|                                |   |

### Lentils

V-plates will need to be installed for most conditions when threshing below 400rpm.

| Feederhouse drum position      | Up, down if in rocks    |
|--------------------------------|-------------------------|
| Feederhouse speed              | 380 rpm                 |
| Pre-concave types              | 10 or 12x40 mm          |
| Pre-concave rear filler plate  | Not installed           |
| Dis-awning plates              | Open, close as needed   |
| Intensive threshing segments   | Not installed           |
| Concave gap                    | 25 mm                   |
| Threshing cylinder speed range | Low                     |
| Threshing cylinder speed       | 400 rpm                 |
| Concave filler plates          | None installed          |
| Rotor speed                    | 500 rpm                 |
| Rotor cover plates             | Open, close as needed   |
| Cleaning fan speed             | 1200 rpm                |
| Upper sieve                    | Standard: 16<br>TM6: 16 |
| Lower sieve                    | Standard: 12<br>TM6: 12 |
| Chopper speed                  | High                    |
| Stationary knives              | Engaged 100%            |
| Friction plate (TC, PC)        | Engaged, as needed      |

Malting barley

| Feederhouse speed400 rpmPre-concave types6.5, 10, or 12x40 mmPre-concave rear filler plateYes, only on corn modelsDis-awning platesClosed, open as neededIntensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed range650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 2<br>TM6: 15Chopper speedHigh   |                                |   |
|---|--------------------------------|---|
| Feederhouse speed400 rpmPre-concave types6.5, 10, or 12x40 mmPre-concave rear filler plateYes, only on corn modelsDis-awning platesClosed, open as neededIntensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed range(3) installed on N18 large wire<br>concave filler platesConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh |                                |   |
| Pre-concave types6.5, 10, or 12x40 mmPre-concave rear filler plateYes, only on corn modelsDis-awning platesClosed, open as neededIntensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed range650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 2<br>TM6: 15Chopper speedHigh   | Feederhouse drum position      | Down  |
| Pre-concave rear filler plateYes, only on corn modelsDis-awning platesClosed, open as neededIntensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 2<br>TM6: 15Chopper speedHigh  | Feederhouse speed              | 400 rpm   |
| Dis-awning platesClosed, open as neededIntensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh  | Pre-concave types              | <u>6.5</u> , 10, or 12x40 mm                                  |
| Intensive threshing segmentsNot installedConcave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as needed<br>1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh   | Pre-concave rear filler plate  | Yes, only on corn models                                      |
| Concave gap20 mmThreshing cylinder speed rangeHighThreshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as needed<br>1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh  | Dis-awning plates              | Closed, open as needed  |
| Threshing cylinder speed rangeHighThreshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as needed<br>1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh  | Intensive threshing segments   | Not installed   |
| Threshing cylinder speed650 rpmConcave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh  | Concave gap                    | 20 mm   |
| Concave filler plates(3) installed on N18 large wire<br>concave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15<br>TM6: 15Lower sieveStandard: 9<br>TM6: 9Chopper speedHigh   | Threshing cylinder speed range | High  |
| Concave filler platesconcave - beginning at row #2Rotor speed750 rpmRotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15Lower sieveStandard: 9Chopper speedHigh   | Threshing cylinder speed       | 650 rpm   |
| Rotor cover platesOpen, close as neededCleaning fan speed1100 rpmUpper sieveStandard: 15Lower sieveStandard: 25Chopper speedHigh  | Concave filler plates          | (3) installed on N18 large wire concave - beginning at row #2 |
| Cleaning fan speed1100 rpmUpper sieveStandard: 15Lower sieveTM6: 15Chopper speedHigh  | Rotor speed                    | 750 rpm   |
| Upper sieve Standard: 15<br>TM6: 15<br>Lower sieve Standard: 9<br>TM6: 9<br>Chopper speed High  | Rotor cover plates             | Open, close as needed   |
| Upper sieve TM6: 15 Lower sieve Standard: 9 TM6: 9 Chopper speed High   | Cleaning fan speed             | 1100 rpm  |
| Lower sieve TM6: 9<br>Chopper speed High  | Upper sieve                    | Standard: 15<br>TM6: 15                                       |
|   | Lower sieve                    | Standard: 9<br>TM6: 9   |
| Stationary knives Engaged 100%  | Chopper speed                  | High  |
|   | Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC) Engaged as needed   | Friction plate (TC_PC)         | Engaged as needed   |

### Milo

| Feederhouse drum position      | Down                                       |
|--------------------------------|--|
| Feederhouse speed              | 380 rpm                                    |
| Pre-concave types              | 10, 12, 19x40 mm or Round bar              |
| Pre-concave rear filler plate  | Not installed                              |
| Dis-awning plates              | Open, closed as needed                     |
| Intensive threshing segments   | Not installed                              |
| Concave gap                    | 15 mm                                      |
| Threshing cylinder speed range | High                                       |
| Threshing cylinder speed       | 550 rpm                                    |
| Concave filler plates          | None installed                             |
| Rotor speed                    | 800 rpm                                    |
| Rotor cover plates             | Open                                       |
| Cleaning fan speed             | 1100 rpm                                   |
| Upper sieve                    | Deep tooth: 9<br>Standard: 15<br>TM6: 15   |
| Lower sieve                    | Deep tooth: 0 - 2<br>Standard: 8<br>TM6: 8 |
| Chopper speed                  | High                                       |
| Stationary knives              | Engaged 50% or 100%                        |
| Friction plate (TC, PC)        | Engaged as needed                          |



#### Oats

Rotor cover plates can be closed (one segment at a time) in very dry conditions to improve material flow onto the cleaning shoe.

| Feederhouse drum position      | Down  |
|--------------------------------|---|
| Feederhouse speed              | 400 rpm   |
| Pre-concave types              | <u>6.5,</u> 10 or 12x40 mm                                    |
| Pre-concave rear filler plate  | Installed, only in corn models                                |
| Dis-awning plates              | Open, close as needed   |
| Intensive threshing segments   | Not installed   |
| Concave gap                    | 16 mm   |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 800 rpm   |
| Concave filler plates          | (3) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 900 rpm   |
| Rotor cover plates             | Open, close as needed   |
| Cleaning fan speed             | 1000 rpm  |
| Upper sieve                    | Standard: 15<br>TM6: 15                                       |
| Lower sieve                    | Standard: 12<br>TM6: 12                                       |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | Engaged, as needed  |
|                                |   |

#### Peas

V-plates will need to be installed for most conditions when threshing below 400rpm. Install the serrated wear strip kit. Note: do not install the serrated wear strips without the fixed serrated blade.

| Feederhouse drum position      | Up, down if in rocks                 |
|--------------------------------|--------------------------------------|
| Feederhouse speed              | 380 rpm                              |
| Pre-concave types              | 10, 12, 19x40 mm or <u>Round bar</u> |
| Pre-concave rear filler plate  | Not installed                        |
| Dis-awning plates              | Close as needed                      |
| Intensive threshing segments   | Not installed                        |
| Concave gap                    | 25 mm                                |
| Threshing cylinder speed range | Low                                  |
| Threshing cylinder speed       | 400 rpm                              |
| Concave filler plates          | None installed                       |
| Rotor speed                    | 500 rpm                              |
| Rotor cover plates             | Open, close as needed                |
| Cleaning fan speed             | 1200 rpm                             |
| Upper sieve                    | Standard: 16<br>TM6: 16              |
| Lower sieve                    | Standard: 12<br>TM6: 12              |
| Chopper speed                  | High                                 |
| Stationary knives              | Engaged 100%                         |
| Friction plate (TC, PC)        | Engaged, as needed                   |

### Popcorn

Set concave gap to the diameter of the cob with the round bar main concave and 2-3mm over cob diameter when using an N18 large wire concave. The dis-awning plates can be closed in low throughput situations to help improve threshing performance.

| Feederhouse drum position      | Up                             |
|--------------------------------|--------------------------------|
| Feederhouse speed              | 300 rpm                        |
| Pre-concave types              | 19x40 mm or Round bar          |
| Pre-concave rear filler plate  | Not installed                  |
| Dis-awning plates              | Open                           |
| Intensive threshing segments   | Not installed                  |
| Concave gap                    | 19 mm                          |
| Threshing cylinder speed range | Low                            |
| Threshing cylinder speed       | 300 rpm                        |
| Concave filler plates          | None installed                 |
| Rotor speed                    | 400 rpm                        |
| Rotor cover plates             | Open                           |
| Cleaning fan speed             | 1000 rpm                       |
| Upper sieve                    | Deep-tooth: 11<br>Standard: 15 |
| Lower sieve                    | Deep-tooth: 10<br>Standard: 12 |
| Chopper speed                  | Low                            |
| Stationary knives              | Disengaged                     |
| Friction plate (TC, PC)        | Engaged, as needed             |
|                                |                                |

### Red and white clover

Cleaning fan reduction pulley required to achieve optimal cleaning fan speed.

| Feederhouse drum position      | Up, down if in rocks  |
|--------------------------------|---|
| Feederhouse speed              | 420 rpm   |
| Pre-concave types              | 6.5 mm keystock   |
| Pre-concave rear filler plate  | Installed   |
| Dis-awning plates              | Closed  |
| Intensive threshing segments   | Installed, as needed  |
| Concave gap                    | 8 mm  |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 900 rpm   |
| Concave filler plates          | (8) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 1000 rpm  |
| Rotor cover plates             | (2-4) closed  |
| Cleaning fan speed             | 400 rpm   |
| Upper sieve                    | Standard: 4<br>TM6: 4   |
| Lower sieve                    | Standard: 2<br>TM6: 2   |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | Engaged, as needed  |

**Rice – rasp bar threshing cylinder** Removing every other wire from the 10mm wire grates may improve pre-separation performance.

| Feederhouse drum position      | Down                                     |
|--------------------------------|--|
| Feederhouse speed              | 400 rpm                                  |
| Pre-concave types              | <u>10</u> or 12x40 mm                    |
| Pre-concave rear filler plate  | Not installed                            |
| Dis-awning plates              | Open                                     |
| Intensive threshing segments   | Not installed                            |
| Concave gap                    | 18 mm                                    |
| Threshing cylinder speed range | High                                     |
| Threshing cylinder speed       | 700 rpm                                  |
| Concave filler plates          | None installed                           |
| Rotor speed                    | 960 rpm                                  |
| Rotor cover plates             | None                                     |
| Cleaning fan speed             | 1100 rpm                                 |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15 |
| Lower sieve                    | Deep-tooth: 3<br>Standard: 15<br>TM6: 15 |
| Chopper speed                  | High                                     |
| Stationary knives              | Not engaged                              |
| Friction plate (TC, PC)        | Not engaged                              |
|                                |  |

### **Rice – spike-tooth threshing cylinder**

The spike-tooth version pre-concave does not have dis-awning plates or interchangeable pre-concave grates and may require the fixed "rice" pre-concave grate to be covered entirely for soybeans and milo.

| Feederhouse drum position      | Down                                     |
|--------------------------------|--|
| Feederhouse speed              | 400 rpm                                  |
| Pre-concave types              | Not available                            |
| Pre-concave rear filler plate  | Not installed                            |
| Dis-awning plates              | Not available                            |
| Intensive threshing segments   | Not installed                            |
| Concave gap                    | 18 mm                                    |
| Threshing cylinder speed range | High                                     |
| Threshing cylinder speed       | 650 rpm                                  |
| Concave filler plates          | Not available                            |
| Rotor speed                    | 960 rpm                                  |
| Rotor cover plates             | None                                     |
| Cleaning fan speed             | 1100 rpm                                 |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 18<br>TM6: 18 |
| Lower sieve                    | Deep-tooth: 3<br>Standard: 16<br>TM6: 16 |
| Chopper speed                  | High                                     |
| Stationary knives              | Not engaged                              |
| Friction plate (TC, PC)        | Not engaged                              |

### Soybeans

19mm smooth corn grates or round bar grates can be used for easy-to-thresh conditions, but may require closing the dis-awning plates.

| Feederhouse drum position      | Up, down if in rocks                         |
|--------------------------------|--|
| Feederhouse speed              | 380 rpm                                      |
| Pre-concave types              | 10, 12 or 19x40 mm or<br>Round bar           |
| Pre-concave rear filler plate  | Not installed                                |
| Dis-awning plates              | Open, close as needed                        |
| Intensive threshing segments   | Not installed                                |
| Concave gap                    | 22 mm  |
| Threshing cylinder speed range | High   |
| Threshing cylinder speed       | 600 rpm                                      |
| Concave filler plates          | None installed                               |
| Rotor speed                    | 700 rpm                                      |
| Rotor cover plates             | As needed                                    |
| Cleaning fan speed             | 1150 rpm                                     |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15     |
| Lower sieve                    | Deep-tooth: 0 - 2<br>Standard: 10<br>TM6: 10 |
| Chopper speed                  | High   |
| Stationary knives              | Engaged 100%, 50% optional                   |
| Friction plate (TC, PC)        | As needed                                    |

Soybeans ("green-stem")

V-plates can be installed for tough stem conditions, as well as the serrated impeller wear strip kit.

| Feederhouse drum position      | Up, down if in rocks                         |
|--------------------------------|--|
| Feederhouse speed              | 400 rpm                                      |
| Pre-concave types              | 10 or <u>12x40 mm</u>                        |
| Pre-concave rear filler plate  | Not installed                                |
| Dis-awning plates              | Open, closed as needed                       |
| Intensive threshing segments   | Not installed                                |
| Concave gap                    | 19 mm  |
| Threshing cylinder speed range | High   |
| Threshing cylinder speed       | 650 rpm                                      |
| Concave filler plates          | None installed                               |
| Rotor speed                    | 750 rpm                                      |
| Rotor cover plates             | Open, close as needed                        |
| Cleaning fan speed             | 1200 rpm                                     |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15     |
| Lower sieve                    | Deep-tooth: 0 - 2<br>Standard: 10<br>TM6: 10 |
| Chopper speed                  | High   |
| Stationary knives              | Engaged 100%                                 |
| Friction plate (TC, PC)        | As needed                                    |

### **Sunflowers**

V-plates will need to be installed for most conditions, as well as the serrated impeller wear strip kit.

| Feederhouse drum position      | Up   |
|--------------------------------|--|
| Feederhouse speed              | 350 rpm                                      |
| Pre-concave types              | 19x40 mm or Round bar                        |
| Pre-concave rear filler plate  | Not installed                                |
| Dis-awning plates              | Open   |
| Intensive threshing segments   | Not installed                                |
| Concave gap                    | 27 mm  |
| Threshing cylinder speed range | Low  |
| Threshing cylinder speed       | 400 rpm                                      |
| Concave filler plates          | None installed                               |
| Rotor speed                    | 640 rpm                                      |
| Rotor cover plates             | 1 - 2 closed                                 |
| Cleaning fan speed             | 1000 rpm                                     |
| Upper sieve                    | Deep-tooth: 3<br>Standard: 14<br>TM6: 14     |
| Lower sieve                    | Deep-tooth: 0 - 3<br>Standard: 10<br>TM6: 10 |
| Chopper speed                  | High   |
| Stationary knives              | Engaged 100%                                 |
| Friction plate (TC, PC)        | Engaged, as needed                           |

#### Wheat

For high straw quality and very dry conditions, refrain from using the intensive threshing segments.

| Feederhouse drum position      | Up or Down  |
|--------------------------------|---|
| Feederhouse speed              | 400 rpm   |
| Pre-concave types              | 6.5, <u>10</u> or 12x40 mm                                    |
| Pre-concave rear filler plate  | Yes (only on corn models)                                     |
| Dis-awning plates              | Open, close as needed   |
| Intensive threshing segments   | Not installed, use as needed                                  |
| Concave gap                    | 12 mm   |
| Threshing cylinder speed range | High  |
| Threshing cylinder speed       | 750 rpm   |
| Concave filler plates          | (3) installed on N18 large wire concave - beginning at row #2 |
| Rotor speed                    | 850 rpm   |
| Rotor cover plates             | Open, close as needed   |
| Cleaning fan speed             | 1100 rpm  |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15                      |
| Lower sieve                    | Deep-tooth: 0 - 2<br>Standard: 9<br>TM6: 9                    |
| Chopper speed                  | High  |
| Stationary knives              | Engaged 100%  |
| Friction plate (TC, PC)        | As needed   |
|                                |   |

Wheat (stripper header)

With less material being brought into the machine, installing filler strips, pre-concave cover plate and rotor covers are usually needed for high threshing quality.

| Feederhouse drum position      | Down   |
|--------------------------------|--|
| Feederhouse speed              | 400 rpm  |
| Pre-concave types              | 6.5, <u>10</u> or 12x40 mm   |
| Pre-concave rear filler plate  | Installed  |
| Dis-awning plates              | Closed   |
| Intensive threshing segments   | Not installed, use as needed   |
| Concave gap                    | 10 mm  |
| Threshing cylinder speed range | High   |
| Threshing cylinder speed       | 800 rpm  |
| Concave filler plates          | Minimum (3) installed on N18 large<br>wire concave - beginning at row #2 |
| Rotor speed                    | 900 rpm  |
| Rotor cover plates             | (2) closed   |
| Cleaning fan speed             | 1100 rpm   |
| Upper sieve                    | Deep-tooth: 9<br>Standard: 15<br>TM6: 15                                 |
| Lower sieve                    | Deep-tooth: 0 - 2<br>Standard: 9<br>TM6: 9                               |
| Chopper speed                  | High   |
| Stationary knives              | Engaged 100%   |
| Friction plate (TC, PC)        | As needed  |
|                                |  |

