



EQUIPMENT



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SEPARATOR ADJUSTMENTS FOR MAJOR CROPS AXIAL-FLOW COMBINES

	Inspect Concave for Plugging	Adjust Rotor Speet	Adjust Concave	Adjust Cage Vanes	Concave Wires	Adjust Fan Speed	Adjust Chaffer	Adjust Shoe	Grate Channels	Travel Speed
Damaged Sample										
	Barley		2 ▼	30			4C	10		
**raise corn head auger	Corn/Popcorn	1	2 ▼	40	3b			50		
	Edible Beans	6	2 ▼	30	5FP		4C	10		
	Maize/Milo	1	2 ▼	40				30		
	Rice	3	1 ▼	40	5B			20		
	Rye Grass	-	-	-	-	-	-	-	-	
	Soybean	3	1 ▼	40	5B			20		
	Sunflower		4 ▼	10			3C	20		
	Weat	3	1 ▼	40				20		
Excessive Stems / Trash										
	Barley		4 ▼			2 ▲	3C	1C	5 ■	
**bits of cob in sample	Corn/Popcorn		2 ▼	50		4 ▲	3C	1C		
**kernal left on cob	Corn/Popcorn		1 ▲	2C						
**excessive cob breakage	Corn/Popcorn		1 ▼	20						
	Edible Beans		4 ▼			2 ▲	3C	1C	5 ■	
	Maize/Milo	4	5 ▼	30			2C	1C		
	Rice	4	5 ▼	30		6 ▲	2C	1C		
	Rye Grass		4 ▼	50		1 ▲	3C	2C		
	Soybean	6	4 ▼	50		1 ▲	3C	2C		
	Sunflower		5 ▼	40		3 ▲	2C	1C		
	Weat		4 ▲			2 ▲	3C	1C	5 ■	
Heavy Stems										
	Barley	-	-	-	-	-	-	-	-	
**bits of cob in sample	Corn/Popcorn		2 ▼	50		4 ▲	3C	1C		
**kernal left on cob	Corn/Popcorn		1 ▲	2C						
**excessive cob breakage	Corn/Popcorn		1 ▼	20						
	Edible Beans	-	-	-	-	-	-	-	-	
	Maize/Milo		3 ▼				2C	1C		
	Rice	-	-	-	-	-	-	-	-	
	Rye Grass		4 ▼	50		3 ▲	2C	1C		
	Soybean		4 ▼	50		3 ▲	2C	1C		
	Sunflower		2 ▼	30	4FP				1 cover the last 2 grates or use solid grate sections. Note: install shoe bottom pan	
	Weat		4 ▼	50		3 ▲	2C	1C		
Unthreshed Heads / Pods										
	Barley		2 ▲	1C				3C		
**bits of cob in sample	Corn/Popcorn		2 ▼	50		4 ▲	3C	1C		
**kernal left on cob	Corn/Popcorn		1 ▲	2C						
**excessive cob breakage	Corn/Popcorn		1 ▼	20						
	Edible Beans		2 ▲	1C						
	Maize/Milo		2 ▲	1C						
	Rice		1 ▲	20			3C			
	Rye Grass		1 ▲	1C			3C			
	Soybean		1 ▲	2C			3C			
	Sunflower	1	2 ▲	1C						
	Weat		1 ▲	2C			3C			



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Fines / Trash in Sample

Barley		4 ▼	30		5 ▼	1 ▲		2C	
Corn/Popcorn		1 ▼	20			3 ▲	4C		
Edible Beans	2	4 ▼		3FP		1 ▲			
Maize/Milo		2 ▼	30			1 ▲	4C		
Rice		4 ▼	30		5 ▲	1 ▲		2C	
Rye Grass		2 ▼	30			1 ▲			
Soybean		4 ▼	50			1 ▲	3C	2C	
Sunflower		5 ▼	40			3 ▲	2C	1C	6 cover the last 2 grates or use solid grate sections. Note: install shoe bottom pan
Weat		4 ▼	50		1 ▲	3C	2C		

Rotor Loss

Barley	1	3 ▼	2C				40		5 ▼
Corn/Popcorn	1	2 ▼	3C	4R	5R				
Edible Beans	1						20	3 ● *Use one or more bar stock grates	
Maize/Milo	1	4 ▲	2C	5R			30		
Rice	1	2 ▼	3C		5M				4 ▼
Rye Grass	1	2 ▼	3C						4 ▼
Soybean	1	2 ▼	3C	4R	5R				
Sunflower	1	4 ▲	2C				30		
Weat	1	2 ▼	3C	4R					5 ▼

Excessive Power Consumption

Barley		1 ▲	20						3 ▼
Corn/Popcorn		1 ▲	20	3F					4 ▼
Edible Beans		1 ▲		2FP					
Maize/Milo		1 ▲							2 ▼
Rice		1 ▲	20	3FP					4 ▼
Rye Grass		1 ▲	20	3FP					4 ▼
Soybean		1 ▲	20	3F				4R	3 ▼
Sunflower		1 ▲							
Weat		1 ▲	20						3 ▼

Grain Loss Over Chaffer

Barley						2 Increase fan speed when sample caught at end of chaffer. Decrease fan speed when sample caught 2 to 3 ft from end of chaffer	10	30	
Corn/Popcorn		3 ▼					1 ▲	20	4 ▼
Edible Beans			30				1 ▲	20	4 ▼
Maize/Milo		3 ▼					1 ▲	20	4 ▼
Rice		3 ▼					1 ▲	20	4 ▼
Rye Grass							1 ▼	20	3 ▼
Soybean		3 ▼			4A		1 ▲	20	5 ▼
Sunflower		5 ▼	40		3 change the concave configuration to move small wire concave		1 ▲	20	5 cover the last 2 grates or use solid grade sections. Note: install shoe bottom pan
Weat		3 ▼					1 ▲	20	4A 5 ▼



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Grain Blowing Over Chaffer

Barley					1 ▼	20			
Corn/Popcorn	-	-	-	-	-	-	-	-	-
Edible Beans					1 ▼	20			
Maize/Milo					1 ▼	20			
Rice					1 ▼	20			3 ▲
Rye Grass		3 ▼			1 ▲	20		4 ▲	5 ▲
Soybean					1 ▼	20			3 ▲
Sunflower					1 ▼	20			
Weat					1 ▼	20			3 ▲

Shoe Sieve Overloading

Barley					3 ▲	2C	10		
Corn/Popcorn		4 ▼			3 ▲	1C	20		5 ▼
Edible Beans					3 ▲	2C	10		
Maize/Milo		4 ▼			3 ▲	1C	20		5 ▼
Rice		4 ▼			3 ▲	1C	20		
Rye Grass		4 ▼			3 ▲	1C	20		5 ▼
Soybean		4 ▼			3 ▲	1C	20		5 ▼
Sunflower				3 Change the concave configuration to move small wire concave		2c	10	4 Cover the last 2 grates or use solid grate sections. Note: install shoe bottom pan	
Weat		4 ▼			3 ▲	1C	20		5 ▼

Poor Mateiral Flow

Rice		1 ▲	2C	3M	4R				
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