Flex-Air™ 810
Applicator

PIN YGT044001 and above

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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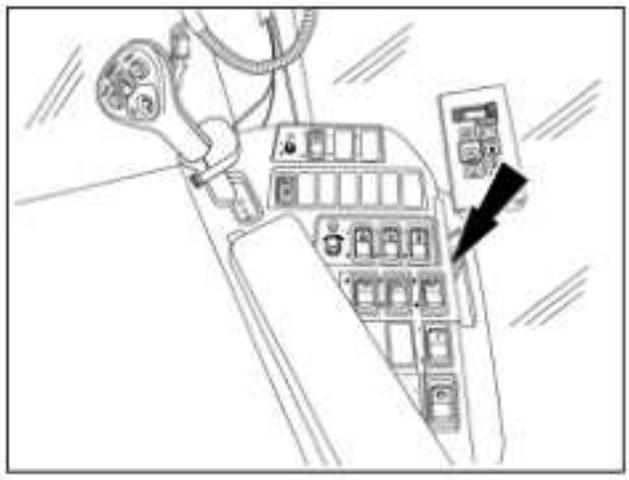
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Right outer boom tip fold switch

The right outer boom tip fold switch controls the movement of the right outer boom tip.



Press and hold the top of the switch to unfold the right outer boom tip.
Press and hold the bottom of the switch to fold in the right outer boom tip.



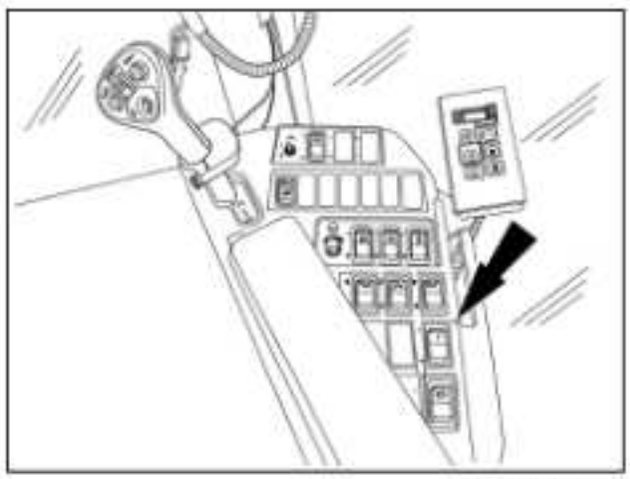
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Master power control

This control allows the operator to disable the power to all applicator and boom functions, to prevent accidental activation during transport. This switch must be activated for all the other applicator and boom switches to work.



Push the top of the switch to enable the application system controls on the control console.
Push the bottom of the switch to disable the control console to prevent accidental application or boom movement during transport.

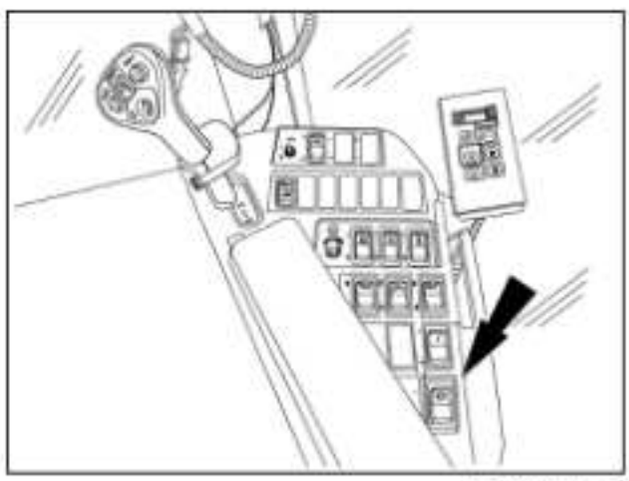


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Parking brake control



Refer to your chassis operators manual for more information.



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MAINTENANCE CHART

Maintenance chart

Interval	Page no.	Maintenance action	No. of pts.	Check	Cleaning	Grease	Change fluid	Replace	Calibrate	Adjust
Every 10 hours or daily	5-9	Clamps		X						
	5-9	Air tubes		X						
	5-9	Flex ducting		X						
	5-9	Hydraulic lines		X						
	5-10	Hydraulic oil level		X						
	5-11	Conveyor belt tension		X						
	5-11	High pressure hydraulic filter		X						
	5-11	Deflector settings		X						
	5-12	Hopper, auger and conveyor			X					
	5-14	Booms and boom cylinders				X				
	5-16	Pressure washer oil level (if equipped)		X						
	5-16	Power Take-Off (PTO) shaft				X				
Every 50 hours	5-17	Conveyor belt drive bearings				X				
	5-17	Auger bearings				X				
	5-17	Boom suspension sway arm				X				
Every 200 hours	5-18	Pressure washer oil (if equipped)					X			
Every 250 hours	5-18	Hydraulic hoses and electrical wiring		X						
Every 500 hours	5-19	Charge pump hydraulic filter						X		
	5-20	High pressure hydraulic filter						X		
	5-20	Hydraulic fluid					X			
As required maintenance	5-21	Boom breakaway tension		X						
	5-21	Boom adjustments		X						
	5-22	Liquid strainers (if equipped)			X					
	5-23	Flow meter (if equipped)		X						
	5-23	Foam marker strainer (if equipped)			X					
	5-23	Pulse Width Modulation (PWM) high and low offset							X	
	5-24	Adjusting conveyor belt tension								X

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60 foot 2.5 inch boom/rear tubes

NOTICE: *Rates shown are for reference only. The unit must be calibrated for all gate openings and each individual product.*

Mile per hour	Gate opening	35		40		45		50		55		60		65		70		75	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
10	**12.7 mm (0.5 in)**	33	390	38	445	42	501	47	557	52	612	56	668	61	724	66	779	70	835
	25.4 mm (1.0 in)	66	468	75	535	84	602	93	669	103	735	112	802	122	869	131	936	141	1003
	38.1 mm (1.5 in)	102	468	116	535	131	602	145	669	160	735	175	802	189	869	204	936	218	1003
12–1/2	**12.7 mm (0.5 in)**	26	312	30	357	34	402	38	446	41	491	45	535	49	580	53	625	56	669
	25.4 mm (1.0 in)	53	374	60	428	68	481	75	535	83	588	90	642	98	695	105	749	113	802
	38.1 mm (1.5 in)	79	374	90	428	101	481	113	535	124	588	135	642	146	695	158	749	169	802
15	**12.7 mm (0.5 in)**	22	259	25	297	28	465	31	370	34	407	38	445	41	482	44	518	47	556
	25.4 mm (1.0 in)	44	312	50	357	56	401	62	446	69	490	75	535	81	579	87	624	94	669
	38.1 mm (1.5 in)	66	312	75	357	84	401	94	446	103	490	112	535	122	579	131	624	140	669
20	**12.7 mm (0.5 in)**	16	195	19	222	21	250	23	279	26	306	28	334	31	362	33	389	35	417
	25.4 mm (1.0 in)	33	234	37	267	42	301	47	334	52	368	56	401	61	435	66	468	71	501
	38.1 mm (1.5 in)	51	234	58	267	66	301	73	334	80	368	88	401	95	435	102	468	109	501

Shaded areas represent maximum boom capacity before spread pattern degradation

Rates based on Potash at **70 lb** at **10 mph**

60 foot boom — Co-ap and supplemental bins

NOTICE: *Rates shown are for reference only. Co-ap and Supplemental systems must be calibrated individually for each product and machine.*

Mile per hour	Wheel color	35		40		45		50		55		60		65		70		75	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
10	Black	4.0	38	4.5	43	5.1	48	5.7	54	6.2	59								
	Red	13.9	122	15.8	139	17.7	156	19.8	174	21.7	191	23.6	208	25.7	226	27.6	243	29.6	260
	Yellow	22.4	199	25.7	228	28.8	256	32.1	285	35.3	313	38.4	341	41.7	370	44.8	398	48.1	427
12–1/2	Black	3.2	30	3.7	35	4.0	38	4.5	43	4.9	47								
	Red	11.0	97	12.7	112	14.2	125	15.8	139	17.3	152	19.0	167	20.5	180	22.1	194	23.8	209
	Yellow	18.0	160	20.5	182	23.1	205	25.7	228	28.3	251	30.9	274	33.3	296	35.9	319	38.5	342
15	Black	2.6	25	3.1	29	3.4	32	3.8	36	4.1	39								
	Red	9.2	81	10.6	93	11.8	104	13.2	116	14.4	127	15.8	139	17.1	150	18.4	162	19.8	174
	Yellow	15.0	133	17.1	152	19.3	171	21.4	190	23.5	209	31.5	228	27.8	247	30.0	266	32.1	285

To estimate rates at speeds other than shown above:
Example 1: **5 mph** speed (use **10 mph** - red wheels 65 pounds per cubic foot material = 10/5 x 226 = **506 kg/ha** (**452 lbs/ac**))
Example 2: **20 mph** speed (use **10 mph** - red wheels 65 pounds per cubic foot material = 10/20 x 226 = **127 kg/ha** (**113 lbs/ac**))
For best results: choose speeds and wheels that will be **60%- 75%** of maximum.
Example: **168 kg/ha** (**150 lbs/ac**) required, **15 mph**, yellow wheels, 65 pounds per cubic foot = 150/247 = **61%**

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