



Main Seed Box and Dual Seed Box Planting

Calibrating the seeding rate requires four steps:

1. selecting one of four drive types,
2. setting the seed-rate handle,
3. positioning the feed-cup door, and
4. checking the seed rate.

Settings, seed rate charts, and calibration are the same for the main seed box and the dual seed box.

Refer to the seed rate charts beginning on page 5. These charts list the proper drive type and seed-rate-handle settings for various seeds and seeding rates.

The seed rate charts are based on cleaned, untreated seed of average size and test weight. The rates are based on 9.00 x 24 rib implement tires. Many factors will affect seeding rates including foreign material, seed treatment, seed size, field conditions, tire pressure and test weight. Minor adjustments likely will be needed. Set and check the seeding rate using the procedures on page 3, then adjust the rate as necessary.

Select Drive Type

Refer to Figure 1

The gearbox is designed to give you a variety of drive speeds for different types of seeds and rates. It is a linear shift pattern design with constant mesh gearing and totally sealed to keep the dirt out. No lubrication is required unless service is needed.

The gearbox brass indicator plate is positioned so the side with "1" is closest to the center of the drill.

To set the gearbox move the selector handle ① until the desired drive type appears in the window ② on the handle.

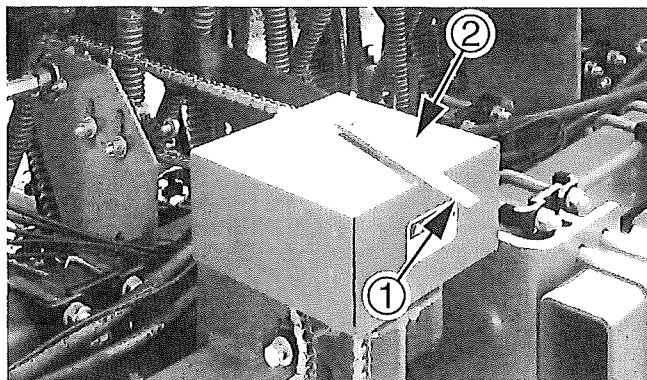


Figure 1
Gearbox Handle Adjustment

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Table 1: Gear Box Ratios

Setting 2 is 2.06 Times Faster Than 1

Setting 3 is 3.08 Times Faster Than 1

Setting 4 is 5.03 Times Faster Than 1

Set Seed-Rate Handle

Refer to Figure 2

The seed rate handle controls the percent engagement of the seed sprocket in each seed cup.

1. Loosen wing nut ① under handle.
2. Set indicator ② to just past value from seed rate chart.
3. Tighten wing nut.

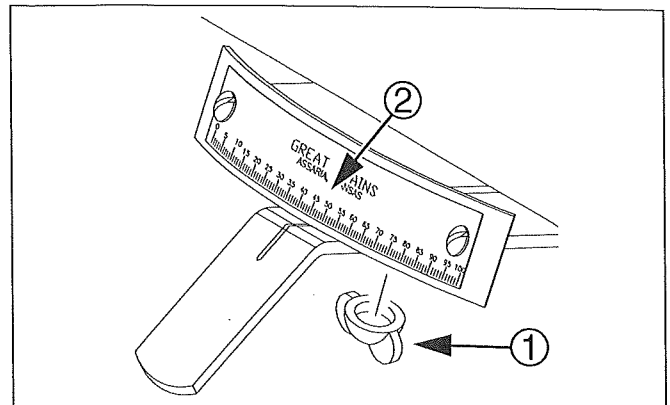


Figure 2
Seed Rate Handle

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Position Seed Cup Doors

Refer to Figure 3,
which depicts the seed cup door handle in position ③.

At each seed box seed tube, adjust the seed cup door handle ④ for the seed size.

The handle has three normal operating position detents:

- ① (top detent) is for the smallest seeds.
Use it for wheat and similar small seeds.
- ② (middle detent) is for larger seeds.
Use it for soybeans and similar larger seeds.
- ③ (bottom detent) is for oversize or fragile seeds.
If you experience excessive cracking with setting ②, use setting ③.

Note: Handle position ⑤ is used for cleanout, not planting. If set to ⑤ with seed loaded, it may be difficult to reset it to a normal operating position.

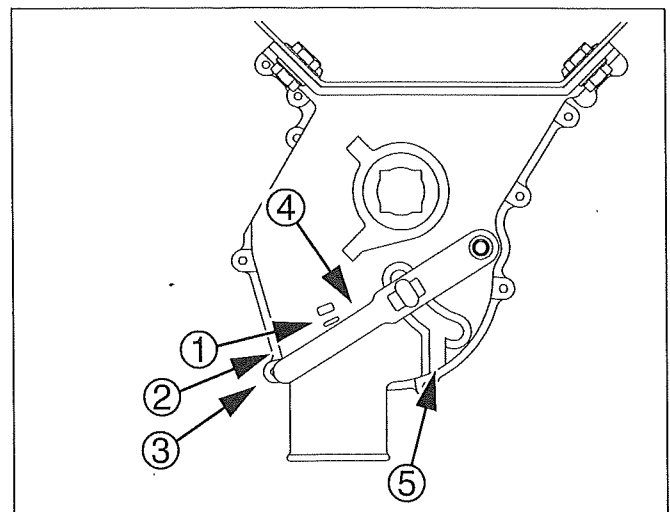


Figure 3
Seed Cup Door Handle

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Checking Seed Rate

NOTICE

These charts are estimations of maximum seed rates. Actual results will vary based on conditions and machine maintenance. Maintain your machine regularly for optimum performance.

1. To calibrate, use either the left hand gauge wheel or the supplied calibration crank. If using the calibration crank, attach crank to coupler on gauge wheel jackshaft with retaining pin and disengage lockout on drive wheel.
2. Rotate left hand gauge wheel or calibration crank to see that feed cups and drive are working properly and are free from foreign matter.
3. To adjust seeding rate, decide which drive type (gearbox) setting you need from the seeding charts beginning on page 5. Set the gearbox. Rotate drive tire or calibration crank a few turns to confirm gearbox has engaged.
4. Record weight of an empty container large enough to hold seed metered for one acre.
5. Place several pounds of seed over three seed cups on an outside end of drill box. Pull seed tubes off of these three openers.
6. Turn drive gauge wheel or calibration crank several times to fill seed cups with seed. Turn wheel or crank until seed falls to the ground from each cup.
7. Rotate drive gauge wheel or calibration crank
595 rotations for the 706 and
411 rotations for the 1006.
This is equal to one acre.

Note: You can also rotate the gauge wheel jackshaft by means of a wrench or socket. If rotating gauge wheel jackshaft, disengage the lockout on the drive wheel and use same number of rotations as for rotating drive wheel.

8. Check that the three seed cups have plenty of seed coming into them.
9. Weigh metered seed. Subtract initial weight of container. Divide by three. Multiply by the number of openers on your drill to determine total pounds seeded per acre. If this figure is different than desired, set your seed rate adjustment handle accordingly.

Note: You may want to repeat the calibration procedure if your results vary greatly from seed rate chart.

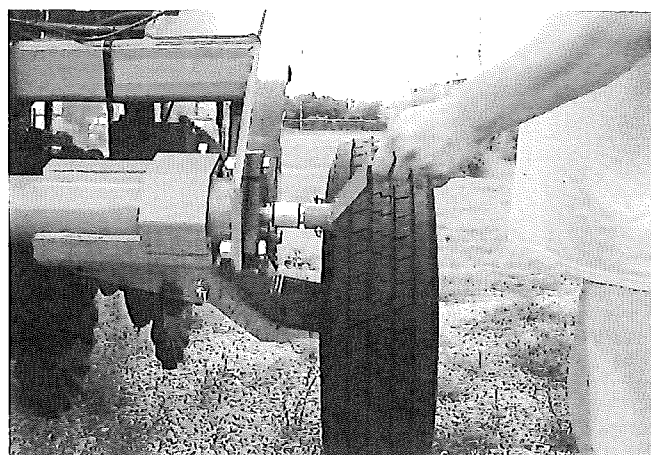


Figure 4
Calibration Crank

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Drill Model	Revolutions for One	
	Acre	Hectare
706NT	595	1470
1006NT	411	1016

$$\frac{\text{Measured Seed} - \text{Empty Container}}{3} = \text{Pounds Per Seed Cup}$$

$$\text{Pounds Per Seed Cup} \times \text{Number Of Openers} = \text{Pounds Per Acre}$$

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10. When drilling, check seeding rate by noting acres drilled, amount of seed added to drill and seed level in drill box. If you are seeding more or less than desired, adjust seeding rate slightly to compensate for field conditions.

Rate Charts, Main Seed Box and Dual Seed Box

Metric charts begin on page 30.

Alfalfa

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel						
7 inch	0.0	5.4	7.8	10.6	13.7	17.1	20.8	24.7	28.7	32.9	37.2	41.5	45.9	50.3	54.6	58.8	62.9	66.9	70.6	74.1	77.3
7.5 inch	0.0	5.0	7.3	9.9	12.8	16.0	19.4	23.0	26.8	30.7	34.7	38.8	42.9	46.9	50.9	54.9	58.7	62.4	65.9	69.2	72.2
8 inch	0.0	4.7	6.8	9.3	12.0	15.0	18.2	21.6	25.1	28.8	32.5	36.3	40.2	44.0	47.8	51.5	55.0	58.5	61.8	64.8	67.7
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel						
7 inch	0.0	11.0	16.0	21.8	28.2	35.2	42.8	50.7	59.0	67.6	76.5	85.4	94.4	103.3	112.2	120.9	129.3	137.4	145.1	152.3	159.0
7.5 inch	0.0	10.3	15.0	20.3	26.3	32.9	39.9	47.3	55.1	63.1	71.4	79.7	88.1	96.4	104.7	112.8	120.7	128.3	135.4	142.2	148.4
8 inch	0.0	9.6	14.0	19.1	24.7	30.8	37.4	44.4	51.7	59.2	66.9	74.7	82.6	90.4	98.2	105.8	113.2	120.2	127.0	133.3	139.1
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel						
7 inch	0.0	17.9	25.2	33.6	43.0	53.3	64.2	75.8	87.9	100.4	113.1	126.0	138.9	151.7	164.3	176.5	188.4	199.7	210.3	220.1	229.0
7.5 inch	0.0	16.7	23.5	31.4	40.2	49.7	59.9	70.8	82.0	93.7	105.5	117.6	129.6	141.5	153.3	164.8	175.8	186.4	196.2	205.4	213.7
8 inch	0.0	15.6	22.1	29.4	37.6	46.6	56.2	66.3	76.9	87.8	98.9	110.2	121.5	132.7	143.7	154.5	164.8	174.7	184.0	192.6	200.4
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel						
7 inch	0.0	29.1	41.1	54.8	70.1	86.8	104.7	123.6	143.3	163.6	184.4	205.4	226.4	247.3	267.8	287.8	307.1	325.5	342.8	358.8	373.3
7.5 inch	0.0	27.2	38.4	51.2	65.5	81.0	97.7	115.4	133.8	152.7	172.1	191.7	211.3	230.8	250.0	268.6	286.7	303.8	320.0	334.9	348.5
8 inch	0.0	25.5	36.0	48.0	61.4	76.0	91.6	108.2	125.4	143.2	161.3	179.7	198.1	216.4	234.3	251.9	268.7	284.8	300.0	314.0	326.7

Barley-Schuyler

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 51 pounds/bushel						
7 inch	0.0	5.5	7.3	9.8	12.7	16.0	19.6	23.6	27.7	32.0	36.3	40.7	44.9	49.0	52.9	56.6	59.8	62.6	65.0	66.8	67.9
7.5 inch	0.0	5.1	6.9	9.1	11.8	14.9	18.3	22.0	25.9	29.9	33.9	38.0	41.9	45.8	49.4	52.8	55.8	58.5	60.7	62.3	63.4
8 inch	0.0	4.8	6.4	8.5	11.1	14.0	17.2	20.6	24.3	28.0	31.8	35.6	39.3	42.9	46.3	49.5	52.3	54.8	56.9	58.4	59.4
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 51 pounds/bushel						
7 inch	0.0	11.3	15.1	20.1	26.0	32.9	40.4	48.5	57.0	65.8	74.7	83.6	92.4	100.8	108.8	116.3	123.0	128.8	133.6	137.2	139.6
7.5 inch	0.0	10.5	14.1	18.7	24.3	30.7	37.7	45.2	53.2	61.4	69.7	78.0	86.2	94.1	101.6	108.5	114.8	120.2	124.7	128.1	130.3
8 inch	0.0	9.9	13.2	17.6	22.8	28.8	35.3	42.4	49.9	57.6	65.4	73.2	80.8	88.2	95.2	101.7	107.6	112.7	116.9	120.1	122.1
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 51 pounds/bushel						
7 inch	0.0	15.9	22.7	30.7	39.8	49.8	60.7	72.2	84.3	96.7	109.4	122.1	134.8	147.3	159.4	171.1	182.1	192.3	201.5	209.7	216.7
7.5 inch	0.0	14.9	21.2	28.6	37.1	46.5	56.6	67.4	78.7	90.3	102.1	114.0	125.8	137.5	148.8	159.7	169.9	179.5	188.1	195.7	202.2
8 inch	0.0	14.0	19.8	26.8	34.8	43.6	53.1	63.2	73.7	84.6	95.7	106.9	118.0	128.9	139.5	149.7	159.3	168.2	176.3	183.5	189.6
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 51 pounds/bushel						
7 inch	0.0	26.0	37.0	50.0	64.8	81.2	98.9	117.7	137.4	157.7	178.3	199.1	219.8	240.2	260.0	278.9	296.9	313.5	328.6	341.9	353.3
7.5 inch	0.0	24.3	34.5	46.7	60.5	75.8	92.3	109.9	128.2	147.2	166.4	185.9	205.2	224.2	242.6	260.3	277.1	292.6	306.7	319.1	329.7
8 inch	0.0	22.7	32.4	43.7	56.7	71.1	86.6	103.0	120.2	138.0	156.0	174.2	192.3	210.2	227.5	244.1	259.7	274.3	287.5	299.2	309.1

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Bermuda Grass

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel							
7 inch	0.0	2.0	4.1	6.2	8.4	10.6	12.8	15.1	17.5	19.8	22.1	24.5	26.8	29.1	31.4	33.7	35.9	38.1	40.2	42.3	44.3	
7.5 inch	0.0	1.9	3.8	5.8	7.8	9.9	12.0	14.1	16.3	18.5	20.7	22.8	25.0	27.2	29.3	31.5	33.5	35.6	37.5	39.5	41.3	
8 inch	0.0	1.8	3.6	5.4	7.3	9.3	11.2	13.2	15.3	17.3	19.4	21.4	23.5	25.5	27.5	29.5	31.4	33.3	35.2	37.0	38.7	
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel							
7 inch	0.0	4.2	8.4	12.7	17.2	21.7	26.4	31.1	35.9	40.7	45.5	50.3	55.1	59.9	64.6	69.3	73.9	78.3	82.7	86.9	91.0	
7.5 inch	0.0	3.9	7.8	11.9	16.0	20.3	24.6	29.0	33.5	38.0	42.5	47.0	51.5	55.9	60.3	64.7	68.9	73.1	77.2	81.1	84.9	
8 inch	0.0	3.7	7.4	11.1	15.0	19.0	23.1	27.2	31.4	35.6	39.8	44.0	48.2	52.4	56.5	60.6	64.6	68.5	72.4	76.1	79.6	
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel							
7 inch	0.0	6.6	12.9	19.4	26.0	32.7	39.6	46.5	53.5	60.5	67.5	74.4	81.3	88.0	94.7	101.1	107.4	113.5	119.3	124.9	130.1	
7.5 inch	0.0	6.2	12.0	18.1	24.2	30.5	36.9	43.4	49.9	56.4	63.0	69.4	75.8	82.2	88.3	94.4	100.3	105.9	111.4	116.5	121.4	
8 inch	0.0	5.8	11.3	16.9	22.7	28.6	34.6	40.7	46.8	52.9	59.0	65.1	71.1	77.0	82.8	88.5	94.0	99.3	104.4	109.2	113.8	
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 60 pounds/bushel							
7 inch	0.0	10.8	21.0	31.6	42.3	53.3	64.5	75.8	87.2	98.6	110.0	121.3	132.5	143.5	154.3	164.9	175.1	185.0	194.5	203.6	212.1	
7.5 inch	0.0	10.1	19.6	29.4	39.5	49.8	60.2	70.8	81.4	92.0	102.6	113.2	123.7	133.9	144.0	153.9	163.5	172.7	181.6	190.0	198.0	
8 inch	0.0	9.5	18.4	27.6	37.0	46.7	56.5	66.3	76.3	86.3	96.2	106.1	115.9	125.6	135.0	144.3	153.2	161.9	170.2	178.1	185.6	

Buckwheat-Common

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1							Seed Rate in Pounds per Acres							Based on 48 pounds/bushel						
7 inch	0.0	4.5	6.7	9.2	12.2	15.6	19.2	23.0	27.1	31.2	35.3	39.5	43.5	47.5	51.2	54.6	57.8	60.5	62.8	64.6	65.9
7.5 inch	0.0	4.2	6.2	8.6	11.4	14.5	17.9	21.5	25.3	29.1	33.0	36.8	40.6	44.3	47.8	51.0	53.9	56.5	58.6	60.3	61.5
8 inch	0.0	4.0	5.8	8.1	10.7	13.6	16.8	20.2	23.7	27.3	30.9	34.5	38.1	41.5	44.8	47.8	50.6	53.0	55.0	56.6	57.6
Rows	Drive Type 2							Seed Rate in Pounds per Acres							Based on 48 pounds/bushel						
7 inch	0.0	9.4	13.7	19.0	25.1	32.0	39.4	47.4	55.6	64.1	72.6	81.2	89.5	97.6	105.2	112.3	118.8	124.4	129.2	132.9	135.4
7.5 inch	0.0	8.7	12.8	17.7	23.5	29.9	36.8	44.2	51.9	59.8	67.8	75.7	83.5	91.1	98.2	104.8	110.9	116.1	120.5	124.0	126.4
8 inch	0.0	8.2	12.0	16.6	22.0	28.0	34.5	41.4	48.7	56.1	63.6	71.0	78.3	85.4	92.1	98.3	103.9	108.9	113.0	116.2	118.5
Rows	Drive Type 3							Seed Rate in Pounds per Acres							Based on 48 pounds/bushel						
7 inch	0.0	17.4	21.3	27.5	35.8	45.9	57.4	70.3	84.1	98.6	113.6	128.7	143.8	158.5	172.6	185.8	197.8	208.5	217.4	224.4	229.1
7.5 inch	0.0	16.2	19.9	25.7	33.4	42.8	53.6	65.6	78.5	92.0	106.0	120.1	134.2	147.9	161.1	173.4	184.6	194.6	202.9	209.4	213.8
8 inch	0.0	15.2	18.6	24.1	31.3	40.1	50.3	61.5	73.6	86.3	99.4	112.6	125.8	138.7	151.0	162.6	173.1	182.4	190.2	196.3	200.5
Rows	Drive Type 4							Seed Rate in Pounds per Acres							Based on 48 pounds/bushel						
7 inch	0.0	28.4	34.7	44.9	58.4	74.8	93.6	114.6	137.1	160.8	185.2	209.9	234.4	258.4	281.4	302.9	322.5	339.9	354.4	365.8	373.6
7.5 inch	0.0	26.5	32.4	41.9	54.5	69.8	87.4	106.9	127.9	150.0	172.8	195.9	218.8	241.2	262.6	282.7	301.0	317.2	330.8	341.4	348.7
8 inch	0.0	24.8	30.4	39.3	51.1	65.4	81.9	100.2	119.9	140.7	162.0	183.6	205.1	226.1	246.2	265.0	282.2	297.4	310.1	320.1	326.9

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Buffalograss

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel							
7 inch	0.0	1	2	3	4	6	7	9	10	12	13	15	16	18	19	20	21	21	22	22	22	
7.5 inch	0.0	1	2	3	4	5	7	8	10	11	13	14	15	17	18	19	20	20	20	20	20	
8 inch	0.0	1	2	3	4	5	6	8	9	10	12	13	14	16	17	18	18	19	19	19	19	
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel							
7 inch	0.0	3	4	7	9	12	15	18	21	24	28	31	34	37	39	41	43	44	45	45	44	
7.5 inch	0.0	2	4	6	8	11	14	17	20	23	26	29	32	34	36	38	40	41	42	42	41	
8 inch	0.0	2	4	6	8	10	13	16	19	21	24	27	30	32	34	36	38	39	39	39	39	
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel							
7 inch	0.0	5	7	10	13	17	21	26	31	36	41	46	50	55	59	62	65	67	69	69	69	
7.5 inch	0.0	5	7	9	12	16	20	24	29	34	38	43	47	51	55	58	61	63	64	65	64	
8 inch	0.0	4	6	9	12	15	19	23	27	31	36	40	44	48	51	54	57	59	60	61	60	
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel							
7 inch	0.0	8	11	16	22	28	36	43	50	59	67	75	82	89	96	101	106	110	112	113	112	
7.5 inch	0.0	7	11	15	20	26	33	40	47	55	62	70	77	83	90	95	99	102	104	105	104	
8 inch	0.0	7	10	14	19	24	31	37	44	51	58	65	72	78	84	89	93	96	98	99	98	

K-31 Fescue

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1										Seed Rate in Pounds per Acres							Based on 21 pounds/bushel				
7 inch	0.0	2.2	3.4	4.6	6.0	7.4	8.9	10.5	12.0	13.6	15.1	16.6	18.1	19.5	20.8	22.1	23.2	24.2	25.0	25.7	26.3	
7.5 inch	0.0	2.0	3.1	4.3	5.6	7.0	8.3	9.8	11.2	12.7	14.1	15.5	16.9	18.2	19.5	20.6	21.7	22.6	23.4	24.0	24.5	
8 inch	0.0	1.9	2.9	4.1	5.3	6.5	7.8	9.2	10.5	11.9	13.2	14.6	15.8	17.1	18.2	19.3	20.3	21.2	21.9	22.5	23.0	
Rows	Drive Type 2										Seed Rate in Pounds per Acres							Based on 21 pounds/bushel				
7 inch	0.0	4.5	6.9	9.6	12.4	15.3	18.4	21.5	24.7	27.9	31.1	34.2	37.2	40.1	42.8	45.4	47.7	49.7	51.5	52.9	54.0	
7.5 inch	0.0	4.2	6.5	8.9	11.5	14.3	17.2	20.1	23.1	26.0	29.0	31.9	34.7	37.4	40.0	42.4	44.5	46.4	48.1	49.4	50.4	
8 inch	0.0	3.9	6.1	8.4	10.8	13.4	16.1	18.8	21.6	24.4	27.2	29.9	32.6	35.1	37.5	39.7	41.7	43.5	45.1	46.3	47.2	
Rows	Drive Type 3										Seed Rate in Pounds per Acres							Based on 21 pounds/bushel				
7 inch	0.0	7.7	10.8	14.3	18.2	22.4	26.8	31.3	36.1	40.8	45.6	50.4	55.1	59.6	63.9	67.9	71.6	75.0	77.9	80.3	82.1	
7.5 inch	0.0	7.2	10.1	13.4	17.0	20.9	25.0	29.3	33.7	38.1	42.6	47.0	51.4	55.6	59.6	63.4	66.8	70.0	72.7	74.9	76.7	
8 inch	0.0	6.8	9.5	12.6	15.9	19.6	23.4	27.4	31.5	35.7	39.9	44.1	48.2	52.1	55.9	59.4	62.7	65.6	68.1	70.2	71.9	
Rows	Drive Type 4										Seed Rate in Pounds per Acres							Based on 21 pounds/bushel				
7 inch	0.0	12.6	17.1	23.4	29.7	36.5	43.6	51.1	58.8	66.6	74.4	82.2	89.8	97.1	104.1	110.7	116.8	122.2	126.9	130.9	133.9	
7.5 inch	0.0	11.8	16.5	21.8	27.7	34.0	40.7	47.7	54.9	62.1	69.4	76.7	83.8	90.6	97.2	103.3	109.0	114.1	118.5	122.2	125.0	
8 inch	0.0	11.0	15.5	20.5	26.0	31.9	38.2	44.7	51.4	58.3	65.1	71.9	78.6	85.0	91.1	96.9	102.2	106.9	111.1	114.5	117.2	

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Flax or Sudan

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Seed Rate in Pounds per Acres Based on 55 pounds/bushel																					
7 inch	0.0	5.3	7.9	10.9	14.2	17.8	21.6	25.6	29.8	34.1	38.5	43.0	47.4	51.8	56.2	60.4	64.5	68.4	72.1	75.5	78.6	
7.5 inch	0.0	5.0	7.4	10.2	13.2	16.6	20.1	23.9	27.8	31.8	35.9	40.1	44.2	48.4	52.4	56.4	60.2	63.9	67.3	70.5	73.4	
8 inch	0.0	4.7	6.9	9.5	12.4	15.5	18.9	22.4	26.1	29.8	33.7	37.6	41.5	45.4	49.2	52.9	56.5	59.9	63.1	66.1	68.8	
Rows	Seed Rate in Pounds per Acres Based on 55 pounds/bushel																					
7 inch	0.0	10.9	16.3	22.4	29.2	36.5	44.4	52.6	61.2	70.1	79.1	88.3	97.4	106.5	115.5	124.2	132.6	140.7	148.2	155.2	161.6	
7.5 inch	0.0	10.2	15.2	20.9	27.2	34.1	41.4	49.1	57.2	65.4	73.9	82.4	90.9	99.4	107.8	115.9	123.8	131.3	138.3	144.9	150.8	
8 inch	0.0	9.6	14.3	19.6	25.5	31.9	38.8	46.0	53.6	61.3	69.3	77.3	85.3	93.2	101.1	108.7	116.1	123.1	129.7	135.8	141.4	
Rows	Seed Rate in Pounds per Acres Based on 55 pounds/bushel																					
7 inch	0.0	16.7	24.8	33.7	43.5	53.9	64.9	76.4	88.3	100.5	112.9	125.4	137.9	150.4	162.7	174.7	186.3	197.5	208.1	218.0	227.2	
7.5 inch	0.0	15.6	23.1	31.5	40.6	50.3	60.6	71.3	82.4	93.8	105.4	117.1	128.7	140.4	151.8	163.0	173.9	184.3	194.2	203.5	212.1	
8 inch	0.0	14.6	21.7	29.5	38.0	47.2	56.8	66.9	77.3	87.9	98.8	109.7	120.7	131.6	142.3	152.8	163.0	172.8	182.1	190.8	198.8	
Rows	Seed Rate in Pounds per Acres Based on 55 pounds/bushel																					
7 inch	0.0	27.2	40.4	55.0	70.9	87.9	105.8	124.6	144.0	163.9	184.1	204.5	224.9	245.2	265.2	284.8	303.7	321.9	339.2	355.4	370.5	
7.5 inch	0.0	25.4	37.7	51.3	66.2	82.0	98.8	116.3	134.4	152.9	171.8	190.8	209.9	228.9	247.5	265.8	283.5	300.5	316.6	331.8	345.8	
8 inch	0.0	23.8	35.4	48.1	62.0	76.9	92.6	109.0	126.0	143.4	161.1	178.9	196.8	214.6	232.1	249.2	265.8	281.7	296.8	311.0	324.1	

Eastern Gamma Grass-Pete

Note: Seed cup door should be set on the second notch

		Seed Rate Handle Setting Number																					
		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1	Seed Rate in Pounds per Acres																					
7 inch		0.0	4.5	6.2	8.2	10.5	13.0	15.8	18.7	21.7	24.7	27.8	30.9	33.8	36.7	39.4	41.9	44.1	46.1	47.7	48.9	49.7	
7.5 inch		0.0	4.2	5.7	7.6	9.8	12.2	14.7	17.4	20.2	23.1	26.0	28.8	31.6	34.3	36.8	39.1	41.2	43.0	44.5	45.7	46.4	
8 inch		0.0	3.9	5.4	7.2	9.2	11.4	13.8	16.3	19.0	21.6	24.3	27.0	29.6	32.1	34.5	36.7	38.6	40.3	41.7	42.8	43.5	
Rows	Drive Type 2	Seed Rate in Pounds per Acres																					
7 inch		0.0	9.2	12.7	16.8	21.6	26.8	32.4	38.4	44.6	50.9	57.2	63.5	69.6	75.5	81.0	86.1	90.7	94.7	98.0	100.6	102.2	
7.5 inch		0.0	8.6	11.8	15.7	20.1	25.0	30.3	35.8	41.6	47.5	53.4	59.2	64.9	70.4	75.6	80.4	84.7	88.4	91.5	93.9	95.4	
8 inch		0.0	8.0	11.1	14.7	18.9	23.5	28.4	33.6	39.0	44.5	50.0	55.5	60.9	66.0	70.9	75.4	79.4	82.9	85.8	88.0	89.4	
Rows	Drive Type 3	Seed Rate in Pounds per Acres																					
7 inch		0.0	12.8	18.5	25.0	32.2	40.0	48.2	56.8	65.6	74.5	83.5	92.3	101.0	109.3	117.2	124.5	131.2	137.1	142.1	146.2	149.2	
7.5 inch		0.0	11.9	17.3	23.4	30.1	37.3	45.0	53.0	61.2	69.6	77.9	86.2	94.2	102.0	109.4	116.2	122.4	128.0	132.7	136.5	139.2	
8 inch		0.0	11.2	16.2	21.9	28.2	35.0	42.2	49.7	57.4	65.2	73.1	80.8	88.3	95.6	102.5	108.9	114.8	120.0	124.4	127.9	130.5	
Rows	Drive Type 4	Seed Rate in Pounds per Acres																					
7 inch		0.0	20.8	30.2	40.8	52.6	65.2	78.6	92.6	107.0	121.5	136.1	150.5	164.6	178.2	191.0	203.0	213.9	223.5	231.8	238.4	243.2	
7.5 inch		0.0	19.4	28.1	38.1	49.0	60.9	73.4	86.4	99.9	113.4	127.0	140.5	153.6	166.3	178.3	189.5	199.6	208.6	216.3	222.5	227.0	
8 inch		0.0	18.2	26.4	35.7	46.0	57.1	68.8	81.0	93.6	106.4	119.1	131.7	144.0	155.9	167.1	177.6	187.2	195.6	202.8	208.6	212.8	

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Kentucky Blue Grass

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel						
7 inch	0.0	1.7	2.5	3.4	4.3	5.4	6.6	7.8	9.0	10.3	11.6	12.8	14.1	15.3	16.4	17.5	18.5	19.3	20.1	20.7	21.2
7.5 inch	0.0	1.6	2.3	3.1	4.1	5.1	6.1	7.3	8.4	9.6	10.8	12.0	13.1	14.3	15.3	16.3	17.2	18.1	18.8	19.3	19.8
8 inch	0.0	1.5	2.2	2.9	3.8	4.7	5.7	6.8	7.9	9.0	10.1	11.2	12.3	13.4	14.4	15.3	16.2	16.9	17.6	18.1	18.5
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel						
7 inch	0.0	3.5	5.1	6.9	8.9	11.1	13.5	16.0	18.5	21.1	23.8	26.4	28.9	31.4	33.7	35.9	38.0	39.8	41.3	42.6	43.5
7.5 inch	0.0	3.3	4.7	6.4	8.3	10.4	12.6	14.9	17.3	19.7	22.2	24.6	27.0	29.3	31.5	33.5	35.4	37.1	38.6	39.7	40.6
8 inch	0.0	3.1	4.4	6.0	7.8	9.7	11.8	14.0	16.2	18.5	20.8	23.1	25.3	27.5	29.5	31.5	33.2	34.8	36.1	37.3	38.1
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel						
7 inch	0.0	5.6	8.4	11.3	14.4	17.6	21.0	24.5	28.0	31.5	35.1	38.6	42.0	45.4	48.6	51.7	54.6	57.2	59.7	61.9	63.7
7.5 inch	0.0	5.3	7.8	10.5	13.4	16.5	19.6	22.8	26.1	29.4	32.7	36.0	39.2	42.3	45.4	48.2	50.9	53.4	55.7	57.7	59.5
8 inch	0.0	4.9	7.3	9.9	12.6	15.4	18.4	21.4	24.5	27.6	30.7	33.7	36.8	39.7	42.5	45.2	47.7	50.1	52.2	54.1	55.8
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 23 pounds/bushel						
7 inch	0.0	9.2	13.6	18.4	23.5	28.8	34.3	39.9	45.6	51.4	57.2	62.9	68.5	74.0	79.2	84.3	89.0	93.3	97.3	100.8	103.9
7.5 inch	0.0	8.9	12.7	17.2	21.9	26.8	32.0	37.2	42.6	48.0	53.4	58.7	63.9	69.0	74.0	78.6	83.0	87.1	90.8	94.1	97.0
8 inch	0.0	8.1	11.9	16.1	20.5	25.2	30.0	34.9	39.9	45.0	50.0	55.0	59.9	64.7	69.3	73.7	77.8	81.7	85.2	88.2	90.9

Millet

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1							Seed Rate in Pounds per Acres							Based on 60 pounds/bushel							
7 inch	0.0	5.6	7.9	10.7	13.8	17.2	20.8	24.7	28.6	32.8	36.9	41.1	45.3	49.4	53.3	57.2	60.8	64.1	67.2	69.9	72.2	
7.5 inch	0.0	5.2	7.4	10.0	12.9	16.0	19.4	23.0	26.7	30.6	34.5	38.4	42.3	46.1	49.8	53.3	56.7	59.8	62.7	65.2	67.4	
8 inch	0.0	4.9	6.9	9.4	12.1	15.0	18.2	21.6	25.1	28.7	32.3	36.0	39.6	43.2	46.7	50.0	53.2	56.1	58.8	61.2	63.2	
Rows	Drive Type 2							Seed Rate in Pounds per Acres							Based on 60 pounds/bushel							
7 inch	0.0	11.4	16.3	22.0	28.3	35.3	42.8	50.7	58.9	67.3	75.9	84.5	93.1	101.5	109.7	117.5	124.9	131.8	138.1	143.7	148.4	
7.5 inch	0.0	10.7	15.2	20.5	26.5	33.0	39.9	47.3	55.0	62.8	70.8	78.9	86.9	94.7	102.3	109.7	116.6	123.0	128.9	134.1	138.5	
8 inch	0.0	10.0	14.3	19.2	24.8	30.9	37.4	44.3	51.5	58.9	66.4	73.9	81.4	88.8	95.9	102.8	109.3	115.3	120.8	125.7	129.9	
Rows	Drive Type 3							Seed Rate in Pounds per Acres							Based on 60 pounds/bushel							
7 inch	0.0	15.8	23.6	32.4	42.3	53.0	64.4	76.3	88.7	101.4	114.3	127.2	140.0	152.5	164.7	176.4	187.5	197.7	207.1	215.5	222.6	
7.5 inch	0.0	14.8	22.0	30.3	39.5	49.4	60.1	71.2	82.8	94.6	106.6	118.7	130.6	142.4	153.7	164.7	175.0	184.6	193.3	201.1	207.8	
8 inch	0.0	13.8	20.6	28.4	37.0	46.3	56.3	66.8	77.6	88.7	100.0	111.3	122.5	133.5	144.1	154.4	164.0	173.0	181.2	188.5	194.8	
Rows	Drive Type 4							Seed Rate in Pounds per Acres							Based on 60 pounds/bushel							
7 inch	0.0	25.8	38.4	52.9	68.9	86.4	104.9	124.4	144.6	165.3	186.3	207.3	228.2	248.7	268.6	287.6	305.7	322.4	337.7	351.3	363.0	
7.5 inch	0.0	24.1	35.9	49.4	64.3	80.6	97.9	116.1	135.0	154.3	173.9	193.5	213.0	232.1	250.7	268.5	285.3	300.9	315.2	327.9	338.8	
8 inch	0.0	22.6	33.6	46.3	60.3	75.6	91.8	108.9	126.5	144.7	163.0	181.4	199.7	217.6	235.0	251.7	267.4	282.1	295.5	307.4	317.6	

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Milo

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1			Seed Rate in Pounds per Acres										Based on 60 pounds/bushel								
7 inch	0.0	5.3	8.3	11.8	15.8	20.3	25.2	30.4	35.8	41.4	47.1	52.8	58.5	64.0	69.4	74.5	79.3	83.7	87.6	91.0	93.7	
7.5 inch	0.0	5.0	7.7	11.0	14.8	19.0	23.5	28.4	33.4	38.6	43.9	49.3	54.6	59.7	64.8	69.5	74.0	78.1	81.8	84.9	87.5	
8 inch	0.0	4.7	7.2	10.3	13.8	17.8	22.0	26.6	31.3	36.2	41.2	46.2	51.2	56.0	60.7	65.2	69.4	73.2	76.6	79.6	82.0	
Rows	Drive Type 2			Seed Rate in Pounds per Acres										Based on 60 pounds/bushel								
7 inch	0.0	11.0	17.0	24.2	32.5	41.8	51.8	62.4	73.6	85.1	96.8	108.5	120.2	131.6	142.6	153.1	163.0	172.0	180.0	187.0	192.7	
7.5 inch	0.0	10.2	15.8	22.6	30.4	39.0	48.3	58.3	68.7	79.4	90.3	101.3	112.2	122.8	133.1	142.9	152.1	160.5	168.0	174.5	179.8	
8 inch	0.0	9.6	14.9	21.2	28.5	36.5	45.3	54.6	64.4	74.4	84.7	95.0	105.1	115.1	124.8	134.0	142.6	150.5	157.5	163.6	168.6	

Oats

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1																				
7 inch	Seed Rate in Pounds per Acres										Based on 37 pounds/bushel										
7.5 inch	0.0	2.1	3.6	5.2	7.1	9.1	11.3	13.6	16.0	18.4	20.9	23.4	25.8	28.3	30.6	32.9	35.1	37.1	38.9	40.5	42.0
8 inch	0.0	1.8	3.1	4.6	6.2	8.0	9.9	11.9	14.0	16.1	18.3	20.5	22.6	24.7	26.8	28.8	30.7	32.4	34.0	35.5	36.7
Rows	Drive Type 2																				
7 inch	Seed Rate in Pounds per Acres										Based on 37 pounds/bushel										
7.5 inch	0.0	4.3	7.3	10.8	14.6	18.8	23.2	27.9	32.8	37.8	42.9	48.0	53.1	58.1	63.0	67.7	72.1	76.2	80.0	83.3	86.2
8 inch	0.0	4.0	6.8	10.0	13.6	17.5	21.7	26.1	30.6	35.3	40.1	44.8	49.6	54.2	58.8	63.1	67.3	71.1	74.6	77.8	80.5
8 inch	0.0	3.8	6.4	9.4	12.8	16.4	20.3	24.4	28.7	33.1	37.6	42.0	46.5	50.9	55.1	59.2	63.1	66.7	70.0	72.9	75.5
Rows	Drive Type 3																				
7 inch	Seed Rate in Pounds per Acres										Based on 37 pounds/bushel										
7.5 inch	0.0	8.0	11.5	16.0	21.5	27.7	34.6	42.0	49.8	57.9	66.1	74.4	82.6	90.5	98.1	105.2	111.8	117.6	122.5	126.5	129.4
8 inch	0.0	7.4	10.7	15.0	20.1	25.9	32.3	39.2	46.5	54.0	61.7	69.4	77.1	84.5	91.6	98.2	104.3	109.7	114.3	118.1	120.8
8 inch	0.0	7.0	10.1	14.0	18.8	24.2	30.3	36.7	43.6	50.7	57.9	65.1	72.2	79.2	85.8	92.1	97.8	102.9	107.2	110.7	113.2
Rows	Drive Type 4																				
7 inch	Seed Rate in Pounds per Acres										Based on 37 pounds/bushel										
7.5 inch	0.0	13.0	18.7	26.1	35.0	45.2	56.4	68.5	81.2	94.4	107.8	121.3	134.6	147.6	160.0	171.6	182.2	191.7	199.8	206.2	210.9
8 inch	0.0	12.1	17.5	24.4	32.7	42.2	52.6	63.9	75.8	88.1	100.6	113.2	125.6	137.7	149.3	160.1	170.1	178.9	186.4	192.5	196.9
8 inch	0.0	11.4	16.4	22.9	30.6	39.5	49.3	59.9	71.1	82.6	94.3	106.1	117.8	129.1	140.0	150.1	159.4	167.7	174.8	180.5	184.6

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Orchard Grass-Potomac

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 18 pounds/bushel						
7 inch	0.0	1.3	1.8	2.4	3.1	3.9	4.8	5.8	6.8	7.8	8.9	9.9	11.0	12.0	13.0	13.9	14.7	15.5	16.1	16.6	17.0
7.5 inch	0.0	1.2	1.7	2.2	2.9	3.6	4.5	5.4	6.3	7.3	8.3	9.3	10.2	11.2	12.1	13.0	13.8	14.4	15.0	15.5	15.9
8 inch	0.0	1.1	1.6	2.1	2.7	3.4	4.2	5.0	5.9	6.8	7.8	8.7	9.6	10.5	11.4	12.2	12.9	13.5	14.1	14.6	14.9
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 18 pounds/bushel						
7 inch	0.0	2.7	3.7	4.9	6.4	8.0	9.9	11.8	13.9	16.0	18.2	20.4	22.6	24.7	26.7	28.6	30.3	31.8	33.1	34.2	35.0
7.5 inch	0.0	2.5	3.4	4.6	5.9	7.5	9.2	11.0	13.0	15.0	17.0	19.0	21.1	23.0	24.9	26.7	28.3	29.7	30.9	31.9	32.7
8 inch	0.0	2.3	3.2	4.3	5.6	7.0	8.6	10.3	12.2	14.0	15.9	17.9	19.7	21.6	23.3	25.0	26.5	27.8	29.0	29.9	30.6
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 18 pounds/bushel						
7 inch	0.0	3.9	5.3	7.1	9.2	11.6	14.1	16.9	19.8	22.8	25.8	28.9	32.0	35.0	37.9	40.7	43.3	45.7	47.8	49.7	51.2
7.5 inch	0.0	3.6	5.0	6.6	8.6	10.8	13.2	15.8	18.4	21.2	24.1	27.0	29.8	32.6	35.4	38.0	40.4	42.6	44.6	46.4	47.8
8 inch	0.0	3.4	4.7	6.2	8.1	10.1	12.4	14.8	17.3	19.9	22.6	25.3	28.0	30.6	33.1	35.6	37.9	40.0	41.9	43.5	44.8
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 18 pounds/bushel						
7 inch	0.0	6.3	8.7	11.6	15.0	18.9	23.0	27.5	32.2	37.1	42.1	47.1	52.1	57.0	61.8	66.3	70.6	74.5	78.0	81.0	83.5
7.5 inch	0.0	5.9	8.1	10.8	14.0	17.6	21.5	25.7	30.1	34.6	39.3	44.0	48.6	53.2	57.6	61.9	65.9	69.5	72.8	75.6	78.0
8 inch	0.0	5.5	7.6	10.2	13.1	16.5	20.2	24.1	28.2	32.5	36.8	41.2	45.6	49.9	54.0	58.0	61.7	65.2	68.2	70.9	73.1

Peas

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel						
7 inch	0.0	2.5	6.1	10.2	14.7	19.5	24.5	29.8	35.2	40.6	46.1	51.4	56.6	61.6	66.3	70.7	74.7	78.2	81.1	83.4	85.1
7.5 inch	0.0	2.3	5.7	9.5	13.7	18.2	22.9	27.8	32.8	37.9	43.0	48.0	52.8	57.5	61.9	66.0	69.7	73.0	75.7	77.9	79.4
8 inch	0.0	2.2	5.3	8.9	12.8	17.0	21.5	26.1	30.8	35.5	40.3	45.0	49.5	53.9	58.1	61.9	65.4	68.4	71.0	73.0	74.5
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel						
7 inch	0.0	5.1	12.6	21.0	30.2	40.0	50.4	61.2	72.3	83.5	94.7	105.7	116.4	126.7	136.4	145.4	153.5	160.7	166.7	171.5	174.9
7.5 inch	0.0	4.8	11.7	19.6	28.1	37.4	47.1	57.2	67.5	77.9	88.4	98.6	108.6	118.2	127.3	135.7	143.3	150.0	155.6	160.1	163.3
8 inch	0.0	4.5	11.0	18.3	26.4	35.0	44.1	53.6	63.3	73.1	82.8	92.5	101.8	110.8	119.3	127.2	134.3	140.6	145.9	150.1	153.1
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel						
7 inch	0.0	3.7	14.0	25.8	38.7	52.6	67.3	82.7	98.4	114.3	130.2	145.9	161.1	175.8	189.6	202.4	213.9	224.0	232.5	239.1	243.7
7.5 inch	0.0	3.5	13.1	24.0	36.1	49.1	62.8	77.1	91.8	106.7	121.5	136.2	150.4	164.1	177.0	188.9	199.7	209.1	217.0	223.2	227.4
8 inch	0.0	3.3	12.3	22.5	33.8	46.0	58.9	72.3	86.1	100.0	113.9	127.6	141.0	153.8	165.9	177.1	187.2	196.0	203.4	209.2	213.2
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel						
7 inch	0.0	6.1	22.9	42.0	63.1	85.8	109.8	134.8	160.4	186.4	212.3	237.8	262.7	286.6	309.1	330.0	348.8	365.3	379.1	389.9	397.3
7.5 inch	0.0	5.7	21.4	39.2	58.9	80.0	102.5	125.8	149.7	173.9	198.1	222.0	245.2	267.5	288.5	308.0	325.5	340.9	353.8	363.9	370.8
8 inch	0.0	5.3	20.0	36.7	55.2	75.0	96.1	117.9	140.4	163.1	185.7	208.1	229.9	250.8	270.5	288.7	305.2	319.6	331.7	341.1	347.6

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Pinto Beans

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel							
7 inch	0.0	4.8	7.9	11.7	16.1	20.9	26.0	31.5	37.1	42.9	48.7	54.4	60.0	65.4	70.4	75.0	79.2	82.7	85.6	87.7	89.0	
7.5 inch	0.0	4.5	7.4	10.9	15.0	19.5	24.3	29.4	34.7	40.0	45.5	50.8	56.0	61.0	65.7	70.0	73.9	77.2	79.9	81.8	83.0	
8 inch	0.0	4.2	7.0	10.3	14.1	18.2	22.8	27.5	32.5	37.5	42.6	47.6	52.5	57.2	61.6	65.7	69.3	72.4	74.9	76.7	77.8	
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel							
7 inch	0.0	9.9	16.3	24.1	33.0	42.9	53.5	64.7	76.3	88.2	100.1	111.9	123.4	134.4	144.8	154.3	162.7	170.0	175.9	180.3	182.9	
7.5 inch	0.0	9.2	15.2	22.5	30.8	40.0	49.9	60.4	71.2	82.3	93.5	104.5	115.2	125.5	135.1	144.0	151.9	158.7	164.2	168.2	170.7	
8 inch	0.0	8.6	14.3	21.1	28.9	37.5	46.8	56.6	66.8	77.2	87.6	97.9	108.0	117.6	126.7	135.0	142.4	148.8	153.9	157.7	160.0	
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel							
7 inch	0.0	16.4	25.3	36.2	48.7	62.7	77.8	93.8	110.5	127.6	144.8	161.9	178.6	194.7	210.0	224.1	236.8	247.9	257.0	264.1	268.7	
7.5 inch	0.0	15.3	23.6	33.8	45.5	58.5	72.6	87.6	103.1	119.1	135.1	151.1	166.7	181.7	196.0	209.1	221.0	231.3	239.9	246.4	250.8	
8 inch	0.0	14.3	22.2	31.7	42.6	54.9	68.1	82.1	96.7	111.6	126.7	141.7	156.3	170.4	183.7	196.1	207.2	216.9	224.9	231.0	235.1	
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 61 pounds/bushel							
7 inch	0.0	26.7	41.3	59.0	79.5	102.2	126.9	153.0	180.2	208.0	236.1	264.0	291.2	317.5	342.3	365.3	386.1	404.1	419.1	430.5	438.1	
7.5 inch	0.0	24.9	38.5	55.1	74.2	95.4	118.4	142.8	168.2	194.1	220.3	246.4	271.8	296.3	319.5	341.0	360.3	377.2	391.1	401.8	408.8	
8 inch	0.0	23.4	36.1	51.6	69.5	89.4	111.0	133.9	157.7	182.0	206.6	231.0	254.8	277.8	299.5	319.7	337.8	353.6	366.7	376.7	383.3	

Rape

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1										Seed Rate in Pounds per Acres					Based on 51 pounds/bushel					
7 inch	0.0	4.9	7.3	9.9	12.8	15.8	19.0	22.3	25.8	29.2	32.8	36.4	40.0	43.5	47.0	50.5	53.8	57.0	60.1	63.0	65.7
7.5 inch	0.0	4.5	6.8	9.3	11.9	14.8	17.7	20.8	24.0	27.3	30.6	34.0	37.3	40.6	43.9	47.1	50.2	53.2	56.1	58.8	61.3
8 inch	0.0	4.3	6.4	8.7	11.2	13.8	16.6	19.5	22.5	25.6	28.7	31.8	35.0	38.1	41.1	44.2	47.1	49.9	52.6	55.1	57.5
Rows	Drive Type 2										Seed Rate in Pounds per Acres					Based on 51 pounds/bushel					
7 inch	0.0	10.0	15.0	20.4	26.3	32.5	39.1	45.9	52.9	60.1	67.4	74.8	82.1	89.4	96.7	103.7	110.6	117.2	123.5	129.4	135.0
7.5 inch	0.0	9.3	14.0	19.1	24.5	30.4	36.5	42.8	49.4	56.1	62.9	69.8	76.7	83.5	90.2	96.8	103.2	109.4	115.3	120.8	126.0
8 inch	0.0	8.7	13.1	17.9	23.0	28.5	34.2	40.2	46.3	52.6	59.0	65.4	71.9	78.3	84.6	90.8	96.8	102.5	108.1	113.3	118.1
Rows	Drive Type 3										Seed Rate in Pounds per Acres					Based on 51 pounds/bushel					
7 inch	0.0	15.5	21.5	28.6	36.7	45.6	55.2	65.4	76.0	87.0	98.2	109.4	120.6	131.7	142.4	152.7	162.5	171.6	179.8	187.2	193.5
7.5 inch	0.0	14.4	20.1	26.7	34.2	42.5	51.5	61.0	71.0	81.2	91.6	102.1	112.6	122.9	132.9	142.5	151.7	160.1	167.9	174.4	180.6
8 inch	0.0	13.5	18.8	25.0	32.1	39.9	48.3	57.2	66.5	76.1	85.9	95.8	105.6	115.2	124.6	133.6	142.2	150.1	157.4	163.8	169.3
Rows	Drive Type 4										Seed Rate in Pounds per Acres					Based on 51 pounds/bushel					
7 inch	0.0	25.2	35.0	46.6	59.8	74.3	90.0	106.6	123.9	141.8	160.1	178.4	196.7	214.7	232.2	249.0	264.9	279.7	293.2	305.2	315.4
7.5 inch	0.0	23.5	32.7	43.5	55.8	69.3	84.0	99.5	115.7	132.4	149.4	166.5	183.6	200.4	216.7	232.4	247.3	261.1	273.7	284.8	294.4
8 inch	0.0	22.1	30.7	40.8	52.3	65.0	78.7	93.3	108.5	124.1	140.1	156.1	172.1	187.9	203.2	217.9	231.8	244.8	256.6	267.0	276.0

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Rice-Short Grain

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1 Seed Rate in Pounds per Acres Based on 43 pounds/bushel																				
7 inch	0.0	2.9	5.4	8.0	10.8	13.8	16.9	20.0	23.2	26.5	29.7	32.9	36.0	39.0	41.9	44.6	47.2	49.5	51.6	53.4	54.8
7.5 inch	0.0	2.7	5.0	7.5	10.1	12.9	15.8	18.7	21.7	24.7	27.7	30.7	33.6	36.4	39.1	41.7	44.0	46.2	48.1	49.8	51.2
8 inch	0.0	2.6	4.7	7.0	9.5	12.1	14.8	17.5	20.3	23.2	26.0	28.8	31.5	34.1	36.7	39.1	41.3	43.3	45.1	46.7	48.0
Rows	Drive Type 2 Seed Rate in Pounds per Acres Based on 43 pounds/bushel																				
7 inch	0.0	6.0	11.0	16.5	22.3	28.4	34.7	41.2	47.8	54.4	61.1	67.6	74.0	80.2	86.2	91.8	97.0	101.8	106.0	109.7	112.7
7.5 inch	0.0	5.6	10.3	15.4	20.8	26.5	32.4	38.4	44.6	50.8	57.0	63.1	69.1	74.9	80.4	85.6	90.5	95.0	98.9	102.4	105.2
8 inch	0.0	5.3	9.7	14.4	19.5	24.8	30.4	36.0	41.8	47.6	53.4	59.2	64.8	70.2	75.4	80.3	84.9	89.0	92.8	96.0	98.6
Rows	Drive Type 3 Seed Rate in Pounds per Acres Based on 43 pounds/bushel																				
7 inch	0.0	12.8	18.2	24.8	32.4	40.7	49.8	59.3	69.2	79.4	89.5	99.6	109.5	118.9	127.8	136.0	143.3	149.6	154.8	158.6	161.0
7.5 inch	0.0	11.9	17.0	23.2	30.2	38.0	46.5	55.4	64.6	74.1	83.6	93.0	102.2	111.0	119.3	126.9	133.7	139.6	144.5	148.0	150.3
8 inch	0.0	11.2	16.0	21.7	28.3	35.6	43.6	51.9	60.6	69.4	78.4	87.2	95.8	104.0	111.8	119.0	125.4	130.9	135.4	138.8	140.9
Rows	Drive Type 4 Seed Rate in Pounds per Acres Based on 43 pounds/bushel																				
7 inch	0.0	20.8	29.7	40.5	52.8	66.4	81.2	96.7	112.9	129.4	146.0	162.4	178.5	193.9	208.4	221.7	233.6	243.9	252.3	258.6	262.5
7.5 inch	0.0	19.4	27.8	37.8	49.3	62.0	75.8	90.3	105.4	120.8	136.3	151.6	166.6	180.9	194.5	206.9	218.1	227.7	235.5	241.4	245.0
8 inch	0.0	18.2	26.0	35.4	46.2	58.1	71.0	84.6	98.8	113.2	127.8	142.1	156.2	169.6	182.3	194.0	204.4	213.5	220.8	226.3	229.7

Rice-Long Grain-Lamont

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 47 pounds/bushel						
7 inch	0.0	1.0	3.8	6.7	9.7	12.7	15.8	18.9	22.0	25.0	28.0	30.8	33.6	36.3	38.8	41.1	43.2	45.1	46.7	48.1	49.2
7.5 inch	0.0	0.9	3.6	6.3	9.1	11.9	14.8	17.6	20.5	23.3	26.1	28.8	31.4	33.8	36.2	38.3	40.3	42.1	43.6	44.9	45.9
8 inch	0.0	0.9	3.3	5.9	8.5	11.1	13.8	16.5	19.2	21.9	24.5	27.0	29.4	31.7	33.9	35.9	37.8	39.4	40.9	42.1	43.0
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 47 pounds/bushel						
7 inch	0.0	2.1	7.8	13.8	19.9	26.2	32.5	38.8	45.1	51.4	57.5	63.4	69.1	74.5	79.7	84.4	88.8	92.6	96.0	98.8	101.0
7.5 inch	0.0	1.9	7.3	12.9	18.6	24.4	30.3	36.2	42.1	47.9	53.6	59.2	64.5	69.6	74.3	78.8	82.8	86.5	89.6	92.2	94.3
8 inch	0.0	1.8	6.8	12.1	17.4	22.9	28.4	34.0	39.5	44.9	50.3	55.5	60.5	65.2	69.7	73.9	77.7	81.1	84.0	86.5	88.4
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 47 pounds/bushel						
7 inch	0.0	3.5	12.0	20.6	29.4	38.2	47.1	55.9	64.8	73.6	82.3	90.9	99.3	107.6	115.7	123.6	131.2	138.5	145.5	152.1	158.3
7.5 inch	0.0	3.2	11.2	19.3	27.4	35.7	43.9	52.2	60.5	68.7	76.8	84.8	92.7	100.5	108.0	115.3	122.4	129.2	135.8	141.9	147.8
8 inch	0.0	3.0	10.5	18.1	25.7	33.4	41.2	48.9	56.7	64.4	72.0	79.5	86.9	94.2	101.3	108.1	114.8	121.2	127.3	133.1	138.5
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 47 pounds/bushel						
7 inch	0.0	5.7	19.6	33.7	47.9	62.3	76.7	91.2	105.6	119.9	134.2	148.2	162.0	175.5	188.7	201.5	213.9	225.8	237.2	248.0	258.2
7.5 inch	0.0	5.3	18.3	31.4	44.7	58.1	71.6	85.1	98.6	111.9	125.2	138.3	151.2	163.8	176.1	188.1	199.6	210.7	221.3	231.4	240.9
8 inch	0.0	5.0	17.1	29.4	41.9	54.5	67.1	79.8	92.4	105.0	117.4	129.7	141.7	153.6	165.1	176.3	187.1	197.6	207.5	217.0	225.9

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Rye

	Seed Rate Handle Setting Number																					
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
Rows	Drive Type 1			Seed Rate in Pounds per Acres										Based on 57 pounds/bushel								
7 inch	0.0	4.4	7.7	11.6	15.9	20.6	25.7	31.1	36.6	42.3	48.1	53.9	59.6	65.2	70.5	75.6	80.4	84.8	88.6	92.0	94.7	
7.5 inch	0.0	4.2	7.2	10.8	14.8	19.2	24.0	29.0	34.2	39.5	44.9	50.3	55.6	60.8	65.8	70.6	75.0	79.1	82.7	85.8	88.4	
8 inch	0.0	3.9	6.8	10.1	13.9	18.0	22.5	27.2	32.0	37.0	42.1	47.1	52.1	57.0	61.7	66.2	70.4	74.2	77.6	80.5	82.8	
Rows	Drive Type 2			Seed Rate in Pounds per Acres										Based on 57 pounds/bushel								
7 inch	0.0	9.1	15.9	23.8	32.7	42.4	52.8	63.8	75.3	87.0	98.9	110.8	122.5	134.0	145.0	155.5	165.3	174.2	182.2	189.0	194.6	
7.5 inch	0.0	8.5	14.8	22.2	30.5	39.6	49.3	59.6	70.3	81.2	92.3	103.4	114.3	125.0	135.3	145.1	154.3	162.6	170.0	176.4	181.6	
8 inch	0.0	8.0	13.9	20.8	28.6	37.1	46.2	55.9	65.9	76.1	86.5	96.9	107.2	117.2	126.9	136.1	144.6	152.5	159.4	165.4	170.3	
Rows	Drive Type 3			Seed Rate in Pounds per Acres										Based on 57 pounds/bushel								
7 inch	0.0	15.7	25.0	36.0	48.7	62.8	78.2	94.5	111.6	129.2	147.3	165.4	183.6	201.4	218.8	235.5	251.3	266.0	279.4	291.3	301.4	
7.5 inch	0.0	14.7	23.3	33.6	45.5	58.7	72.9	88.2	104.1	120.6	137.4	154.4	171.3	188.0	204.2	219.8	234.6	248.3	260.8	271.9	281.3	
8 inch	0.0	13.8	21.8	31.5	42.6	55.0	68.4	82.7	97.6	113.1	128.8	144.8	160.6	176.3	191.5	206.1	219.9	232.8	244.5	254.9	263.7	
Rows	Drive Type 4			Seed Rate in Pounds per Acres										Based on 57 pounds/bushel								
7 inch	0.0	25.6	40.7	58.8	79.5	102.5	127.4	154.0	181.9	210.7	240.1	269.7	299.3	328.4	356.8	384.0	409.8	433.8	455.6	474.9	491.5	
7.5 inch	0.0	23.9	38.0	54.8	74.2	95.6	118.9	143.8	169.8	196.6	224.1	251.8	279.3	306.5	333.0	358.4	382.5	404.8	425.2	443.3	458.7	
8 inch	0.0	22.4	35.6	51.4	69.5	89.7	111.5	134.8	159.2	184.4	210.1	236.0	261.9	287.4	312.2	336.0	358.6	379.5	398.6	415.6	430.0	

Perennial Rye Grass-Palmer

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1										Seed Rate in Pounds per Acres					Based on 36 pounds/bushel					
7 inch	0.0	2.8	4.1	5.7	7.4	9.2	11.2	13.3	15.4	17.6	19.7	21.9	24.0	26.1	28.1	30.0	31.7	33.2	34.6	35.7	36.6
7.5 inch	0.0	2.6	3.9	5.3	6.9	8.6	10.5	12.4	14.4	16.4	18.4	20.5	22.4	24.4	26.2	28.0	29.6	31.0	32.3	33.3	34.2
8 inch	0.0	2.5	3.6	5.0	6.5	8.1	9.8	11.6	13.5	15.4	17.3	19.2	21.0	22.9	24.6	26.2	27.7	29.1	30.3	31.3	32.0
Rows	Drive Type 2										Seed Rate in Pounds per Acres					Based on 36 pounds/bushel					
7 inch	0.0	5.8	8.5	11.7	15.2	19.0	23.0	27.3	31.7	36.1	40.6	45.1	49.4	53.7	57.7	61.6	65.1	68.3	71.1	73.4	75.3
7.5 inch	0.0	5.4	8.0	10.9	14.2	17.7	21.5	25.5	29.5	33.7	37.9	42.0	46.1	50.1	53.9	57.5	60.8	63.7	66.4	68.5	70.3
8 inch	0.0	5.0	7.5	10.2	13.3	16.6	20.2	23.9	27.7	31.6	35.5	39.4	43.3	47.0	50.5	53.9	57.0	59.8	62.2	64.3	65.9
Rows	Drive Type 3										Seed Rate in Pounds per Acres					Based on 36 pounds/bushel					
7 inch	0.0	11.5	13.9	17.5	22.1	27.5	33.7	40.5	47.7	55.2	62.9	70.6	78.2	85.6	92.5	98.9	104.5	109.4	113.2	116.0	117.4
7.5 inch	0.0	10.8	13.0	16.3	20.6	25.7	31.5	37.8	44.5	51.6	58.7	65.9	73.0	79.9	86.3	92.3	97.6	102.1	105.7	108.2	109.6
8 inch	0.0	10.1	12.2	15.3	19.3	24.1	29.5	35.4	41.7	48.3	55.1	61.8	68.5	74.9	80.9	86.5	91.5	95.7	99.1	101.5	102.8
Rows	Drive Type 4										Seed Rate in Pounds per Acres					Based on 36 pounds/bushel					
7 inch	0.0	18.8	22.7	28.5	36.0	44.9	54.9	66.0	77.8	90.1	102.6	115.2	127.6	139.5	150.8	161.2	170.4	178.3	184.6	189.1	191.5
7.5 inch	0.0	17.6	21.2	26.6	33.6	41.9	51.3	61.6	72.6	84.1	95.8	107.5	119.1	130.2	140.7	150.4	159.1	166.4	172.3	176.5	178.7
8 inch	0.0	16.5	19.9	24.9	31.5	39.3	48.1	57.7	68.1	78.8	89.8	100.8	111.6	122.1	131.9	141.0	149.1	156.0	161.5	165.4	167.5

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Soybeans

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 58 pounds/bushel						
7 inch	0.0	4.7	8.1	11.9	16.2	20.8	25.6	30.7	35.9	41.1	46.4	51.7	56.8	61.8	66.5	71.0	75.0	78.7	81.8	84.4	86.4
7.5 inch	0.0	4.4	7.6	11.1	15.1	19.4	23.9	28.6	33.5	38.4	43.3	48.2	53.0	57.7	62.1	66.2	70.0	73.4	76.4	78.8	80.7
8 inch	0.0	4.1	7.1	10.4	14.2	18.2	22.4	26.8	31.4	36.0	40.6	45.2	49.7	54.1	58.2	62.1	65.6	68.8	71.6	73.9	75.6
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 58 pounds/bushel						
7 inch	0.0	9.7	16.6	24.5	33.3	42.7	52.6	63.0	73.7	84.5	95.4	106.2	116.8	127.0	136.7	145.9	154.2	161.7	168.2	173.6	177.7
7.5 inch	0.0	9.0	15.5	22.9	31.0	39.8	49.1	58.8	68.8	78.9	89.1	99.1	109.0	118.5	127.6	136.1	143.9	150.9	157.0	162.0	165.8
8 inch	0.0	8.5	14.6	21.5	29.1	37.3	46.0	55.1	64.5	74.0	83.5	92.9	102.2	111.1	119.6	127.6	134.9	141.5	147.2	151.9	155.5
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 58 pounds/bushel						
7 inch	0.0	12.6	24.1	36.6	49.8	63.8	78.4	93.3	108.6	124.0	139.4	154.7	169.7	184.4	198.6	212.1	224.8	236.6	247.4	257.0	265.2
7.5 inch	0.0	11.8	22.5	34.1	46.5	59.6	73.1	87.1	101.3	115.7	130.1	144.4	158.4	172.1	185.3	198.0	209.8	220.9	230.9	239.8	247.5
8 inch	0.0	11.0	21.1	32.0	43.6	55.8	68.6	81.7	95.0	108.5	122.0	135.3	148.5	161.4	173.8	185.6	196.7	207.1	216.5	224.9	232.1
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 58 pounds/bushel						
7 inch	0.0	20.5	39.3	59.6	81.3	104.1	127.8	152.1	177.0	202.1	227.2	252.2	276.8	300.7	323.8	345.8	366.6	385.8	403.4	419.0	432.4
7.5 inch	0.0	19.2	36.7	55.6	75.9	97.1	119.2	142.0	165.2	188.6	212.1	235.4	258.3	280.6	302.2	322.8	342.1	360.1	376.5	391.0	403.6
8 inch	0.0	18.0	34.4	52.2	71.1	91.1	111.8	133.1	154.9	176.8	198.8	220.7	242.2	263.1	283.3	302.6	320.7	337.6	352.9	366.6	378.4

Sunflowers-Dahlgren Confection

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 28 pounds/bushel						
7 inch	0.0	0.4	1.9	3.7	5.6	7.5	9.6	11.8	14.0	16.2	18.5	20.8	23.0	25.2	27.3	29.3	31.2	33.0	34.6	36.0	37.3
7.5 inch	0.0	0.3	1.8	3.4	5.2	7.0	9.0	11.0	13.1	15.2	17.3	19.4	21.4	23.5	25.4	27.3	29.1	30.8	32.3	33.6	34.8
8 inch	0.0	0.3	1.7	3.2	4.9	6.6	8.4	10.3	12.2	14.2	16.2	18.2	20.1	22.0	23.9	25.6	27.3	28.8	30.2	31.5	32.6
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 28 pounds/bushel						
7 inch	0.0	0.7	4.0	7.6	11.4	15.5	19.8	24.2	28.8	33.4	38.0	42.7	47.2	51.7	56.0	60.2	64.1	67.7	71.1	74.0	76.6
7.5 inch	0.0	0.7	3.7	7.1	10.6	14.5	18.5	22.6	26.9	31.2	35.5	39.8	44.1	48.3	52.3	56.2	59.8	63.2	66.3	69.1	71.5
8 inch	0.0	0.6	3.5	6.6	10.0	13.6	17.3	21.2	25.2	29.2	33.3	37.3	41.3	45.2	49.0	52.7	56.1	59.3	62.2	64.8	67.0
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 28 pounds/bushel						
7 inch	0.0	2.9	6.3	10.4	15.2	20.4	26.0	32.0	38.3	44.8	51.4	58.0	64.5	70.9	77.1	83.0	88.6	93.7	98.2	102.1	105.3
7.5 inch	0.0	2.7	5.9	9.8	14.1	19.0	24.3	29.9	35.8	41.8	47.9	54.1	60.2	66.2	72.0	77.5	82.7	87.4	91.6	95.3	98.3
8 inch	0.0	2.5	5.5	9.1	13.3	17.8	22.8	28.0	33.5	39.2	44.9	50.7	56.5	62.1	67.5	72.7	77.5	81.9	85.9	89.3	92.1
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 28 pounds/bushel						
7 inch	0.0	4.7	10.3	17.0	24.7	33.2	42.4	52.2	62.5	73.0	83.7	94.5	105.2	115.7	125.8	135.4	144.4	152.7	160.1	166.5	171.7
7.5 inch	0.0	4.4	9.6	15.9	23.1	31.0	39.6	48.7	58.3	68.1	78.1	88.2	98.2	107.9	117.4	126.4	134.8	142.5	149.4	155.4	160.3
8 inch	0.0	4.1	9.0	14.9	21.6	29.1	37.1	45.7	54.7	63.9	73.3	82.7	92.0	101.2	110.0	118.5	126.4	133.6	140.1	145.7	150.2

Rate Charts, Main Seed Box and Dual Seed Box, continued...

Wheat-Abeline

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1				Seed Rate in Pounds per Acres										Based on 64 pounds/bushel						
7 inch	0.0	8.3	10.3	13.2	16.6	20.7	25.3	30.2	35.5	41.1	46.8	52.5	58.2	63.9	69.3	74.4	79.2	83.5	87.2	90.3	92.7
7.5 inch	0.0	7.7	9.7	12.3	15.5	19.3	23.6	28.2	33.2	38.3	43.6	49.0	54.4	59.6	64.7	69.5	73.9	77.9	81.4	84.3	86.6
8 inch	0.0	7.3	9.1	11.5	14.6	18.1	22.1	26.5	31.1	35.9	40.9	46.0	51.0	55.9	60.6	65.1	69.3	73.0	76.3	79.1	81.2
Rows	Drive Type 2				Seed Rate in Pounds per Acres										Based on 64 pounds/bushel						
7 inch	0.0	17.1	21.3	27.0	34.2	42.5	51.9	62.2	73.1	84.4	96.1	108.0	119.7	131.3	142.4	153.0	162.7	171.6	179.3	185.7	190.6
7.5 inch	0.0	15.9	19.8	25.2	31.9	39.7	48.5	58.0	68.2	78.8	89.7	100.8	111.7	122.5	132.9	142.8	151.9	160.1	167.3	173.3	177.9
8 inch	0.0	14.9	18.6	23.7	29.9	37.2	45.4	54.4	63.9	73.9	84.1	94.5	104.8	114.9	124.6	133.8	142.4	150.1	156.9	162.5	166.8
Rows	Drive Type 3				Seed Rate in Pounds per Acres										Based on 64 pounds/bushel						
7 inch	0.0	21.5	29.9	40.0	51.7	64.6	78.7	93.7	109.4	125.6	142.1	158.6	175.0	191.0	206.5	221.2	234.8	247.3	258.4	267.9	275.6
7.5 inch	0.0	20.1	27.9	37.3	48.2	60.3	73.5	87.5	102.2	117.3	132.6	148.0	163.3	178.3	192.7	206.4	219.2	230.9	241.2	250.0	257.2
8 inch	0.0	18.8	26.2	35.0	45.2	56.6	68.9	82.0	95.8	109.9	124.3	138.8	153.1	167.1	180.7	193.5	205.5	216.4	226.1	234.4	241.1
Rows	Drive Type 4				Seed Rate in Pounds per Acres										Based on 64 pounds/bushel						
7 inch	0.0	35.1	48.7	65.2	84.2	105.4	128.4	152.9	178.4	204.8	231.7	258.6	285.3	311.4	336.6	360.6	382.9	403.3	421.4	436.8	449.3
7.5 inch	0.0	32.7	45.5	60.9	78.6	98.4	119.8	142.7	166.6	191.2	216.2	241.4	266.3	290.7	314.2	336.5	357.4	376.4	393.3	407.7	419.3
8 inch	0.0	30.7	42.6	57.1	73.7	92.2	112.3	133.7	156.1	179.2	202.7	226.3	249.7	272.5	294.6	315.5	335.0	352.9	368.7	382.2	393.1

Wheat Grass-Buffalo Brand

	Seed Rate Handle Setting Number																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Drive Type 1 Seed Rate in Pounds per Acres Based on 23 pounds/bushel																				
7 inch	0.0	1.1	1.9	2.8	3.7	4.7	5.7	6.7	7.7	8.8	9.8	10.9	11.9	12.9	13.9	14.9	15.8	16.7	17.5	18.3	18.9
7.5 inch	0.0	1.0	1.8	2.6	3.5	4.4	5.3	6.3	7.2	8.2	9.2	10.2	11.1	12.1	13.0	13.9	14.7	15.6	16.3	17.0	17.7
8 inch	0.0	1.0	1.7	2.5	3.3	4.1	5.0	5.9	6.8	7.7	8.6	9.5	10.4	11.3	12.2	13.0	13.8	14.6	15.3	16.0	16.6
Rows	Drive Type 2 Seed Rate in Pounds per Acres Based on 23 pounds/bushel																				
7 inch	0.0	2.3	4.0	5.8	7.7	9.6	11.7	13.8	15.9	18.1	20.2	22.4	24.5	26.6	28.6	30.6	32.5	34.3	36.0	37.5	38.9
7.5 inch	0.0	2.1	3.7	5.4	7.2	9.0	10.9	12.9	14.8	16.9	18.9	20.9	22.9	24.8	26.7	28.5	30.3	32.0	33.6	35.0	36.3
8 inch	0.0	2.0	3.5	5.0	6.7	8.4	10.2	12.1	13.9	15.8	17.7	19.6	21.4	23.3	25.0	26.8	28.4	30.0	31.5	32.8	34.1
Rows	Drive Type 3 Seed Rate in Pounds per Acres Based on 23 pounds/bushel																				
7 inch	0.0	4.0	6.2	8.6	11.2	14.0	17.0	20.0	23.1	26.3	29.5	32.8	35.9	39.0	42.1	45.0	47.7	50.3	52.6	54.7	56.6
7.5 inch	0.0	3.8	5.8	8.1	10.5	13.1	15.8	18.7	21.6	24.6	27.6	30.6	33.5	36.4	39.3	42.0	44.5	46.9	49.1	51.1	52.8
8 inch	0.0	3.5	5.4	7.6	9.8	12.3	14.8	17.5	20.2	23.0	25.9	28.7	31.4	34.2	36.8	39.3	41.7	44.0	46.0	47.9	49.5
Rows	Drive Type 4 Seed Rate in Pounds per Acres Based on 23 pounds/bushel																				
7 inch	0.0	6.6	10.1	14.1	18.3	22.9	27.7	32.6	37.7	42.9	48.2	53.4	58.6	63.7	68.6	73.3	77.8	82.0	85.8	89.2	92.2
7.5 inch	0.0	6.2	9.5	13.1	17.1	21.4	25.8	30.5	35.2	40.1	45.0	49.8	54.7	59.4	64.0	68.4	72.6	76.5	80.1	83.3	86.1
8 inch	0.0	5.8	8.9	12.3	16.0	20.0	24.2	28.5	33.0	37.6	42.1	46.7	51.3	55.7	60.0	64.1	68.1	71.7	75.1	78.1	80.7



Small Seeds Attachment

To set and calibrate the seeding rate on the optional small seeds attachment, follow these steps:

1. To calibrate, use either the left hand gauge wheel or the supplied calibration crank. If using the calibration crank, attach crank to coupler on gauge wheel jackshaft with retaining pin and disengage lockout on drive wheel.
2. Rotate left hand gauge wheel or calibration crank to see that feed cups and drive are working properly and are free from foreign matter.
3. From the small seeds seed rate charts beginning on page 18, find the setting number for desired feeding rate (and row spacing). Move the small seed cup adjustment lever to that setting number.
4. Record weight of an empty container large enough to hold seed metered for one acre.
5. Place several pounds of seed over three seed cups on an outside end of drill box. Pull seed tubes off of these three openers.
6. Turn drive gauge wheel or calibration crank several times to fill seed cups with seed. Turn wheel or crank until seed falls to the ground from each cup.
7. Rotate drive gauge wheel or calibration crank 595 rotations for the 706 and 411 rotations for the 1006. This is equal to one acre.

Note: You can also rotate the gauge wheel jackshaft by means of a wrench or socket. If rotating gauge wheel jackshaft, disengage the lockout on the drive wheel and use same number of rotations as for rotating drive wheel.

8. Check that the three seed cups have plenty of seed coming into them.
9. Weigh metered seed. Subtract initial weight of container. Divide by three. Multiply by the number of openers on your drill to determine total pounds seeded per acre. If this figure is different than desired, set your seed rate adjustment handle accordingly.

Note: You may want to repeat the calibration procedure if your results vary greatly from seed rate chart.

10. When drilling, check seeding rate by noting acres drilled, amount of seed added to small seed box and seed level in small seeds box. If you are seeding more or less than desired, adjust seeding rate slightly to compensate for field conditions.

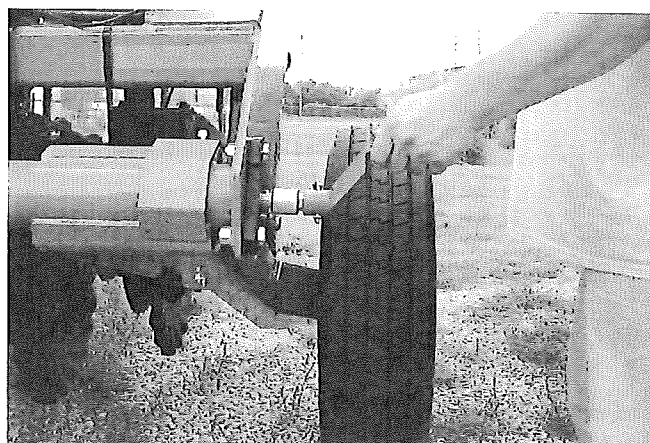


Figure 5
Calibration Crank

23336

Drill Model	Revolutions for One	
	Acre	Hectare
706NT	595	1470
1006NT	411	1016

$$\frac{\text{MeasuredSeed} - \text{EmptyContainer}}{3} = \text{PoundsPerSeedCup}$$

$$\text{PoundsPerSeedCup} \times \text{NumberOfOpeners} = \text{PoundsPerAcre}$$

Small Seeds Seed Rate Charts

Metric charts begin on page 43.

Alfalfa, Red Alsike, Crimson Clover

	Small Seeds Cup Lever Setting																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	1.9	3.0	4.1	5.1	6.4	7.5	8.4	9.5	10.8	11.8	12.9	14.0	15.0	16.3	17.3	18.3	20.0	20.6	21.6
7.5 inch	0	0.0	1.8	2.8	3.9	4.8	6.0	7.0	7.9	9.0	10.0	11.1	12.1	13.2	14.0	15.3	16.2	17.2	18.3	19.3	20.3
8 inch	0	0.0	1.6	2.6	3.6	4.5	5.6	6.6	7.4	8.4	9.4	10.3	11.3	12.3	13.1	14.0	15.2	16.1	17.1	18.0	18.9
10 inch	0	0.0	1.3	2.1	2.8	3.5	4.4	5.1	5.8	6.6	7.4	8.1	8.9	9.7	10.3	11.2	11.9	12.6	13.4	14.2	14.9

Kentucky Bluegrass, Fescue, Annual Rye Grass

		Small Seeds Cup Lever Setting																			
		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	0.2	1.0	1.6	2.3	2.8	3.5	4.0	4.5	5.0	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.0	8.6	9.0
7.5 inch	0	0.0	0.2	.9	1.5	2.2	2.7	3.3	3.7	4.2	4.6	5.1	5.5	5.9	6.3	6.7	7.0	7.4	7.7	8.1	8.4
8 inch	0	0.0	0.2	0.9	1.4	2.0	2.5	3.0	3.5	3.9	4.3	4.8	5.1	5.5	5.9	6.2	6.6	6.9	7.5	7.5	7.9
10 inch	0	0.0	0.1	0.7	1.1	1.6	2.0	2.4	2.7	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.4	5.7	5.9	6.2

Bermuda, Red Top, Lespedeza Unhulled, Sercia, Sand, Weeping Love Grass

		Small Seeds Cup Lever Setting																				
		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																					
7 inch	0	0.0	0.6	0.9	1.5	2.2	2.8	3.6	4.3	5.1	5.6	6.2	6.7	7.1	7.7	8.1	8.7	9.4	10.0	10.5	11.0	
7.5 inch	0	0.0	0.5	0.9	1.4	2.1	2.6	3.3	4.0	4.7	5.3	5.8	6.3	6.7	7.2	7.6	8.2	8.8	9.3	9.8	10.4	
8 inch	0	0.0	0.5	0.8	1.3	2.0	2.5	3.1	3.8	4.4	4.9	5.4	5.9	6.5	6.7	7.1	7.6	8.2	8.7	9.2	9.7	
10 inch	0	0.0	0.4	0.6	1.0	1.5	1.9	2.4	3.0	3.5	3.9	4.2	4.6	4.9	5.3	5.6	6.0	6.4	6.8	7.2	7.6	

Red & Sweet Clover, Lespedeza Hulled

		Small Seeds Cup Lever Setting																			
		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	1.3	2.9	4.5	6.1	7.7	9.7	11.3	13.1	14.6	16.3	17.8	19.3	21.0	22.7	24.6	25.8	27.5	29.0	30.5
7.5 inch	0	0.0	1.2	2.7	4.2	5.7	7.2	9.1	10.6	12.3	13.7	15.3	16.7	18.1	19.7	21.2	22.7	24.2	25.8	27.2	28.6
8 inch	0	0.0	1.1	2.5	3.9	5.3	6.7	8.5	9.9	11.5	12.8	14.3	15.6	16.9	18.3	19.8	21.2	22.6	24.1	25.4	26.7
10 inch	0	0.0	0.9	2.0	3.1	4.2	5.3	6.7	7.8	9.0	10.0	11.2	12.2	13.3	14.4	15.6	16.6	17.8	18.9	19.9	20.9

Rate Charts, Small Seeds Box, continued...

Orchard Grass

	Small Seeds Cup Lever Setting																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	0.0	0.2	0.6	.7	1.1	1.3	1.7	2.1	2.4	2.8	3.0	3.4	3.7	4.1	4.3	4.7	5.0	5.2	5.4
7.5 inch	0	0.0	0.0	0.2	0.5	0.7	1.1	1.2	1.6	1.9	2.3	2.6	2.8	3.2	3.5	3.9	4.0	4.4	4.6	4.9	5.1
8 inch	0	0.0	0.0	0.2	0.5	0.7	1.0	1.1	1.5	1.8	2.1	2.5	2.6	2.9	3.3	3.6	3.8	4.1	4.3	4.6	4.8
10 inch	0	0.0	0.0	0.1	0.4	0.5	.8	0.9	1.2	1.4	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.3	3.6	3.7

Millet, Reed Canary

	Small Seeds Cup Lever Setting																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.4	1.2	2.1	3.0	3.8	4.7	5.6	6.4	7.3	8.1	9.0	9.9	10.7	11.6	12.5	13.3	14.2	15.1	15.9	16.1
7.5 inch	0	0.3	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.8	7.6	8.4	9.3	10.1	10.9	11.7	12.5	13.3	14.1	14.9	15.1
8 inch	0	0.3	1.1	1.8	2.6	3.3	4.1	4.9	5.6	6.4	7.1	7.9	8.6	9.4	10.2	10.9	11.7	12.4	13.2	13.9	14.1
10 inch	0	0.3	0.8	1.4	2.0	2.6	3.2	3.8	4.4	5.0	5.6	6.2	6.8	7.4	8.0	8.6	9.2	9.8	10.4	10.9	11.5

Ladino Clover, Canary Grass, Timothy, Canola

	Small Seeds Cup Lever Setting																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	0.9	1.7	2.8	4.1	5.2	6.6	7.9	9.2	10.5	11.8	13.3	14.6	15.9	17.4	18.7	20.0	22.0	23.4	25.1
7.5 inch	0	0.0	0.9	1.6	2.6	3.9	4.9	6.1	7.4	8.6	9.8	11.1	12.5	13.7	14.9	16.3	17.6	18.8	20.4	21.9	23.5
8 inch	0	0.0	0.8	1.5	2.5	3.6	4.6	5.7	6.9	8.0	9.2	10.3	11.6	12.8	13.9	15.2	16.4	17.5	19.0	20.5	21.9
10 inch	0	0.0	0.6	1.5	1.9	2.5	3.6	4.5	5.4	6.3	7.2	8.1	9.1	10.0	10.9	12.0	12.9	13.8	14.9	16.1	17.2

Birdsfoot, Trefoil, Sudan

	Small Seeds Cup Lever Setting																				
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Rows	Seeding Rate in Pounds per Acre																				
7 inch	0	0.0	1.5	2.8	4.5	5.8	7.5	9.2	10.9	12.5	14.4	16.5	18.2	20.0	21.9	24.0	25.6	27.5	29.0	31.1	32.9
7.5 inch	0	0.0	1.4	2.6	4.2	5.4	7.0	8.6	10.2	11.9	13.5	15.4	17.0	18.8	20.5	22.5	24.0	25.8	27.6	29.1	30.9
8 inch	0	0.0	1.3	2.5	3.9	5.1	6.6	8.1	9.5	11.0	12.6	14.4	15.9	17.5	19.2	21.0	22.4	24.1	25.7	27.2	28.8
10 inch	0	0.0	1.0	1.9	3.1	4.0	5.1	6.3	7.5	8.6	9.9	11.3	12.5	13.8	15.1	16.5	17.6	18.9	20.2	21.4	22.7



Native Grass Attachment Series II

The Native Grass box is for seeding fluffy, native grass blends like Big Blue Stem, Indian Grass, and Oats Grama.

Setting Native Grass Rate

Refer to Figure 6 and Figure 7

Seeding rate of the native Grass box is controlled by the gearbox Drive Type ① and a Driven sprocket ② on the gearbox output chain. Rate levers on other boxes do not affect Native Grass rate.

Setting rate for Native Grass mixes (other than Brome) rate requires calibration, which is done using any current Drive Type and Driven sprocket combination. The results of the calibration determine the actual Drive Type and Driven sprocket to use. The process is:

- Meter a sample using the calibration crank.
- Weigh the sample and use that value in the calibration formulas.
- Find the final drive setup in the chart.

A step-by-step table and example follow the detailed Native Grass Mix instructions on page 21.

Instructions and chart for Brome are on page 25.

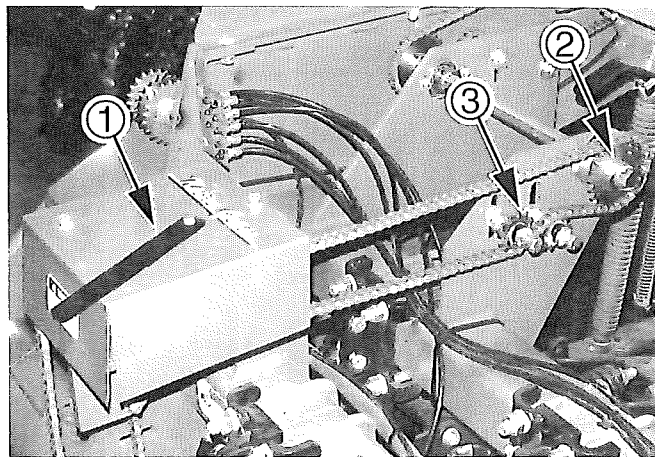


Figure 6
Native Grass Drive Type

20-184

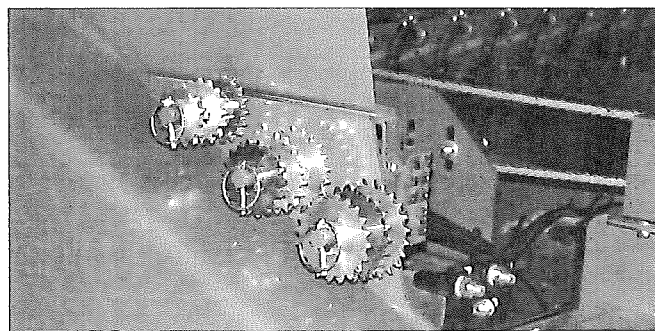


Figure 7
Driven Sprocket Storage

20-183

Great Plains Calibration for Series II Native Grass Drills

Our method for calibration will work on any type of native grass no matter what seed type, weight, or density. See page 25 for steps specific to Brome.

We give you the drill's revolutions per acre at the native grass cup and allow you to calibrate the output in pounds by cup sprocket revolution per acre.

This is the most consistent calibration procedure that will work on all types of native grasses.

Note: It is necessary to calibrate for the seed mix before setting seed rate.

To calibrate seed mix:

1. Record the weight of an empty container large enough to hold seed metered from the native grass box.
2. Fill three or more compartments at least $\frac{1}{2}$ full of seed in the native grass box. Pull seed hoses off openers under the compartments.

Refer to Figure 8

3. To calibrate, use right-hand gauge wheel or supplied calibration crank.
4. To calibrate using right-hand gauge wheel, lower the drill hydraulically to planting position in order to activate clutch. Raise right drive wheel tire off the ground using a jack. Engage gauge wheel lockout on the right-hand side.
5. To calibrate using calibration crank, disengage gauge wheel lockout, and attach calibration crank to coupler on right-hand side of gauge wheel jackshaft using retaining pin.
6. Turn gauge wheel or crank several times to fill seed cups with seed. Continue to turn gauge wheel or crank until seed falls to the ground from each cup.
7. Place the empty container under three seed hoses to gather the seed as it is metered.

Refer to Figure 6

8. Note the Drive Type ① on the gearbox (1, 2, 3, 4) and the range sprocket ② (15 through 24 tooth sprockets). **This information will be used later in the calibration process.**
9. Rotate gauge wheel or calibration crank for one acre. See table at right for rotations per acre.
10. Check that the three seed cups have plenty of seed coming into them.

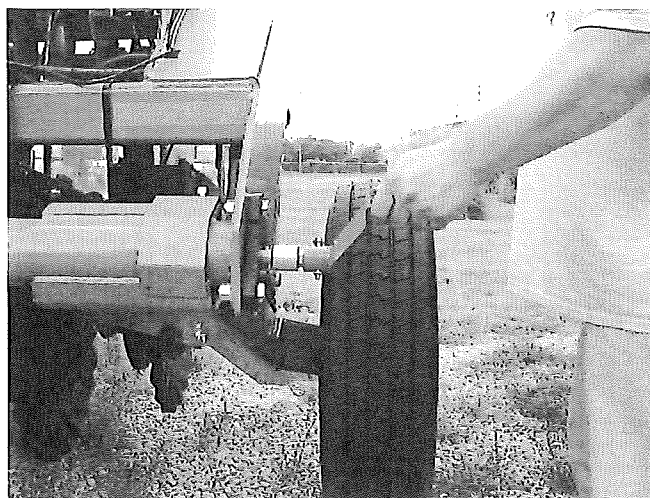


Figure 8
Calibration Crank

23386

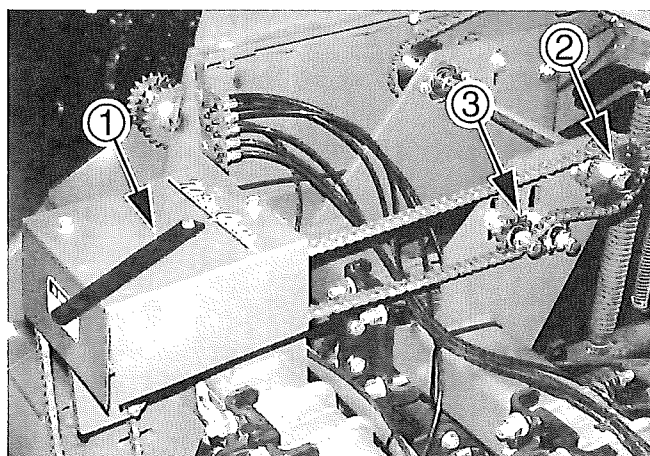


Figure 9
Native Grass Drive Type

20484

Drill Model	Revolutions for One	
	Acre	Hectare
706NT	595	1470
1006NT	411	1016

11. Weigh metered seed, and subtract the initial weight of the container. Divide this number by 3 (number of cups metered). Finally, multiply by the number of openers on the drill. This equals the pounds per acre at this drive setting. Refer to the formulas on the right.

Note: Refer to the drive setting chart on page 24, the numbers listed are the number of revolutions of the native grass meter shaft at a particular drive type and sprocket range.

12. To adjust this number, take the pounds per acre divided by the shaft revolutions. This is the pounds per shaft revolution.
13. Divide desired rate of pounds per acre by the pounds per shaft revolution (this is the number obtained from step 12). Find this number (or the closest number to this) in the drive setting chart. This will give the gearbox drive type and the range sprocket size.

Refer to Figure 7

14. Set the Drive Type lever to the chart value.
15. Determine which sprocket is required for the native grass box. The sprockets are stored on the right-hand side of the drill frame.

To change sprockets, loosen the chain idlers.

Replace with desired sprocket.

Note: All native grass mixes will vary in weight, seed type, and density, so this is why you must calibrate each mix.

16. When drilling, check the amount of seed you are using by noting the acres drilled, amount of seed added to drill, and the level of seed in the box. If you suspect you are drilling more or less seed than desired, and you have accurately calibrated the drill to you seed, you may need to change your sprocket arrangement to compensate for your field conditions.

$$\frac{\text{MeasuredSeed} - \text{EmptyContainer}}{3} = \text{PoundsPerSeedCup}$$

$$\text{PoundsPerSeedCup} \times \text{NumberOfOpeners} = \text{PoundsPerAcre}$$

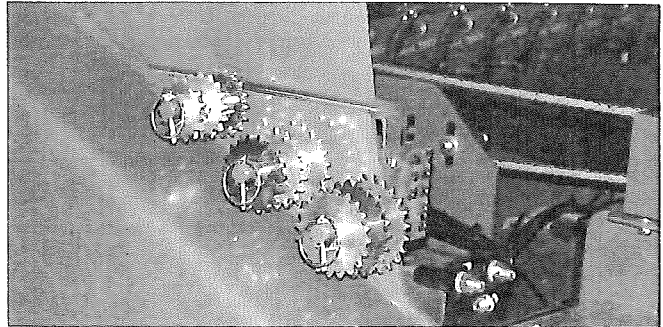


Figure 10
Select NG Driven Sprocket

20483

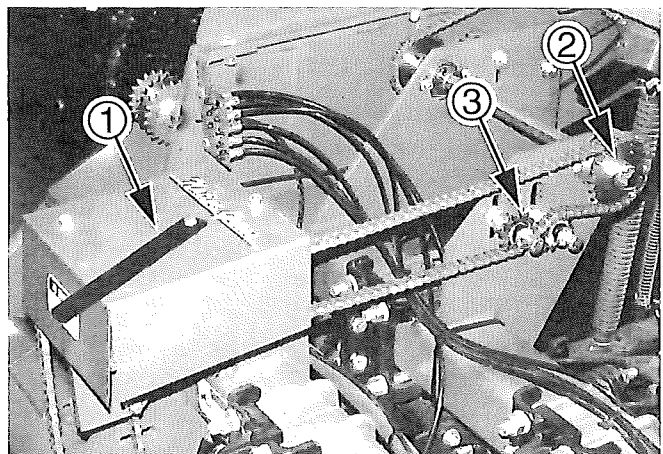


Figure 11
Set Native Grass Drive Type

20484

Calibration Formulas and Sample Calibration**Formulas**

 Know your Desired seed rate in pounds per acre

 Weigh the empty sample container(s)

 Operate crank/gauge wheel for one acre

 Weigh the collected seed plus container(s)

 Calculate the sampled rate at each seed cup.

$$\frac{\text{MeasuredSeed} - \text{WeightOfEmptyContainer}}{3} = \text{SampledPoundsPerSeedCup}$$

 Calculate the sampled rate for all rows working:

$$\text{PoundsPerSeedCup} \times \text{NumberOfOpeners} = \text{SampledPoundsPerAcre}$$

 Note the current Drive Type and sprocket setting.

 In the chart on page 24, find the Cup Revolutions Per Acre for the tested configuration.

 Calculate the Sampled pounds per cup revolution

$$\frac{\text{SampledPoundsPerAcre}}{\text{CupRevolutionsPerAcre}} = \text{SampledPoundsPerCupRevolution}$$

 Calculate the Target cup revolutions per acre

$$\frac{\text{DesiredSeedRate}}{\text{SampledPoundsPerCupRevolution}} = \text{TargetCupRevolutionsPerAcre}$$

 In the chart on page 24, find the table cell with the value closest to the Target. Use the Drive Type and Sprocket shown for that cell.

 Factors which will affect seeding rates are: weight of seed, size of seed, relative humidity and moisture content of the seed, ratio of inert material to seed, different proportions of seed types affecting density, tire configuration, tire pressure, and tire slippage.

All seed mixes will vary.

The rates are based on 9.00 x 24 8-Ply tires.

Example

 For this example, a target value of:
32 PoundsPerAcre

 For this example, three 1.5# buckets:
4.5 pounds

 For this example, a model 1006NT:
411 revolutions

 In this example:
9.5 pounds

 Assuming 3 cups sampled.

$$\frac{9.5 - 4.5}{3} = 1.66(\text{PoundsPerSeedCup})$$

 For this example, a 15-row 1006NT:

$$1.66 \times 15 = 24.9(\text{PoundsPerAcre})$$

 For this example:

 Drive Type 1
 Sprocket: 24T

 The table cell at Drive Type 1 / 24T is:
50.02 (CupRevolutionsPerAcre)

 This is essentially a correction factor:

$$\frac{24.9}{50.02} = 0.498(\text{PoundsPerCupRev})$$

 Our Target Cup Rate:

$$\frac{32}{0.498} = 64.28(\text{CupRevsPerAcre})$$

 The drive configuration for that target:

 Cell: 63.19
 Drive Type: 1
 Sprocket: 19

Refer to Figure 12

The Series II Native Grass attachment includes this standard agitator.

To prevent damage to the Native Grass box agitator and its drive components, do not transport drill with Native Grass box loaded with seed.

For Native Grass Mix Only

Powdered graphite may be mixed with the native grass seed mix to improve seed flow and metering.

Recommended Usage:

Sprinkle 1/3 cup of graphite per 6 ft of seed box on top of the native grass seed mix.

For humid planting environments, double or triple rate as needed.

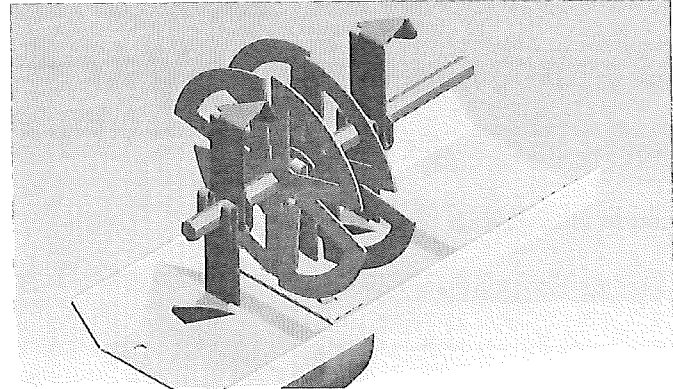


Figure 12
Series II Agitator

25041

Native Grass Cup Rates

Metric charts are on page 45.

Model 706NT (7.5 inch Row Spacing)

Driven Sprocket	15	16	17	18	19	20	21	22	23	24
Drive Type	Seed Cup Revolutions per Acre									
1	115.03	107.84	101.49	95.86	90.81	86.27	82.16	78.43	75.02	71.89
2	236.44	221.67	208.63	197.04	186.67	177.33	168.89	161.21	154.20	147.78
3	354.67	332.50	312.94	295.56	280.00	266.00	253.33	241.82	231.30	221.67
4	578.58	542.41	510.51	482.15	456.77	433.93	413.27	394.48	377.33	361.61

Model 1006NT (7.5 inch Row Spacing)

Driven Sprocket	15	16	17	18	19	20	21	22	23	24
Drive Type	Seed Cup Revolutions per Acre									
1	80.04	75.03	70.62	66.70	63.19	60.03	57.17	54.57	52.20	50.02
2	164.52	154.24	145.16	137.10	129.88	123.39	117.51	112.17	107.29	102.82
3	246.78	231.35	217.74	205.65	194.82	185.08	176.27	168.26	160.94	154.24
4	402.57	377.41	355.21	335.48	317.82	301.93	287.55	274.48	262.55	251.61

Seeding Brome Grass with Native Grass Box

The calibration for seeding Brome Grass differs from the native Grass Mix calibration. The chart provides an initial (pre-calibration) value in pounds per acre.

To adjust seeding rate:

1. Find the desired pounds per acre on the Brome Grass Rate Chart (page 27).

Refer to Figure 14

2. Determine which Driven sprocket ① is required for brome grass. The sprockets are stored on the right-hand side of the drill frame.

To change sprockets, loosen the chain idlers ②.

Replace with desired sprocket ①.

Refer to Figure 13

3. Move gearbox selector handle ③ to desired drive type.

Checking Seed Rate

4. Record weight of an empty container large enough to hold seed metered for one acre.
5. Fill three or more compartments at least 1/2 full of seed at the outboard end of the box. Pull seed tubes off the openers under the compartments.
6. To calibrate, use right-hand gauge wheel or supplied calibration crank.
7. To calibrate using right-hand gauge wheel, lower the drill hydraulically to planting position to activate clutch. Raise right drive wheel tire off the ground using a jack. Engage the gauge wheel lockout on the right-hand side.

Refer to Figure 15

8. To calibrate using calibration crank, attach calibration crank to coupler on right-hand side of gauge wheel jackshaft using retaining pin.
9. Turn gauge wheel or crank several times to fill seed cups with seed. Continue to turn wheel or calibration crank until seed falls to the ground from each cup.
10. Place empty container under the three seed tubes to gather seed as it is metered.

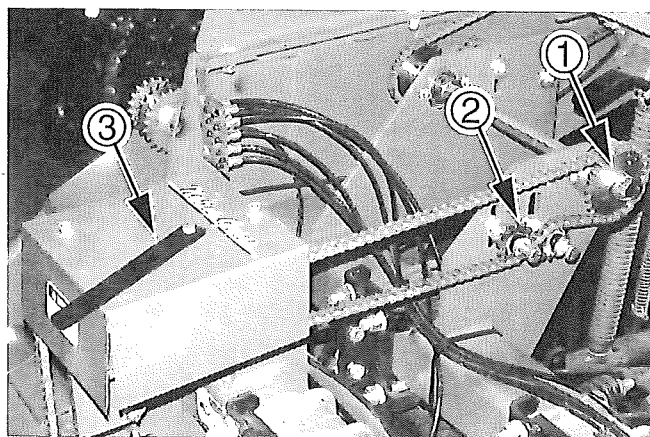


Figure 13
Brome: Drive Type

20484

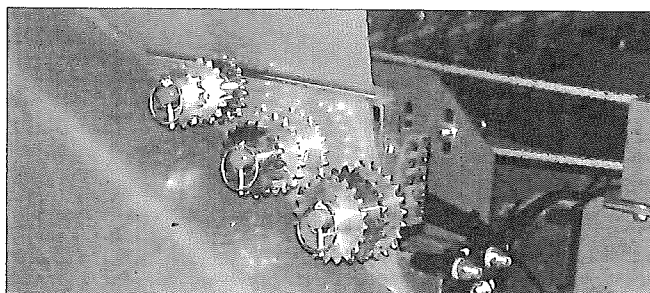


Figure 14
Brome: Sprocket Storage

20483

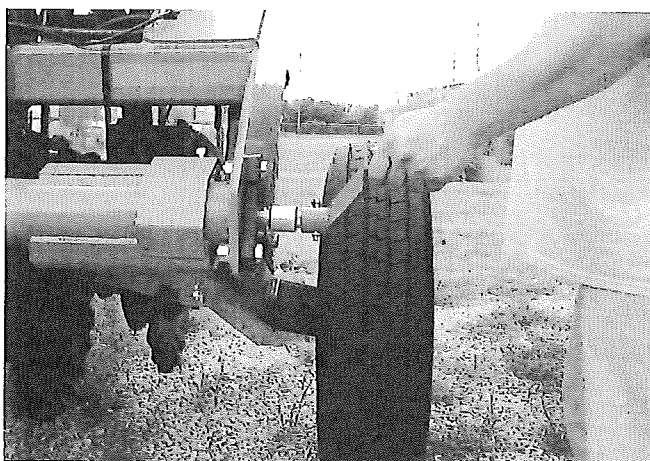


Figure 15
Brome: Calibration Crank

23386

11. Rotate gauge wheel or calibration crank one acre.
See table at right for revolutions per acre.

Note: You can also rotate the gauge wheel jackshaft by means of a wrench or socket. If rotating gauge wheel jackshaft, disengage the lockout on the drive wheel and use same number of rotations as for rotating drive wheel.

12. Check that the three seed cups have plenty of seed coming into them.
13. Weight metered seed. Subtract initial weight of container. Divide by three. Multiply by the number of openers on the drill to determine total pounds seeded per acre. If this figure is different than desired, change your sprockets and drive type accordingly.

Note: You may want to repeat the calibration procedure if your results vary greatly from seed rate chart.

The chart on page 27 is to be used as a reference to your own brome grass mix. All brome grass mixes vary so this is why you must calibrate each mix using the chart only as a starting point.

14. When drilling, check the amount of seed you are using by noting the acres drilled, amount of seed added to drill, and the level of seed in the box. If you suspect you are drilling more or less seed than desired, and you have accurately calibrated the drill to your seed, you may need to change your sprocket arrangement to compensate for your field conditions.

Factors which will affect seeding rates are: weight of seed, size of seed, relative humidity and moisture content of seed, ratio of inert material to seed, different proportions of seed types affecting density, tire configuration, tire pressure, and tire slippage.

All seed mixes will vary.

The rates are based on 9.00 x 24 8-Ply tires.

Drill Model	Revolutions for One	
	Acre	Hectare
706NT	595	1470
1006NT	411	1016

$$\frac{\text{MeasuredSeed} - \text{EmptyContainer}}{3} = \text{PoundsPerSeedCup}$$

$$\text{PoundsPerSeedCup} \times \text{NumberOfOpeners} = \text{PoundsPerAcre}$$

Brome Grass Native Grass Rates

	Driven Sprocket	15	16	17	18	19	20	21	22	23	24
Rows	Drive Type	Seeding Rate in Pounds Per Acre									
7 inch	1	9.2	8.6	8.1	7.7	7.3	6.9	6.6	6.3	6.0	5.8
	2	18.9	17.7	16.7	15.8	14.9	14.2	13.5	12.9	12.3	11.8
	3	28.4	26.6	25.0	23.6	22.4	21.3	20.3	19.3	18.5	17.7
	4	46.3	43.4	40.8	38.5	36.5	34.7	33.0	31.5	30.2	28.9
7.5 inch	1	8.6	8.1	7.6	7.2	6.8	6.4	6.1	5.9	5.6	5.4
	2	17.7	16.5	15.6	14.7	13.9	13.2	12.6	12.0	11.5	11.0
	3	26.5	24.8	23.4	22.1	20.9	19.9	18.9	18.1	17.3	16.5
	4	43.2	40.5	38.1	36.0	34.1	32.4	30.8	29.4	28.2	27.0
8 inch	1	8.1	7.5	7.1	6.7	6.4	6.0	5.8	5.5	5.3	5.0
	2	16.5	15.5	14.6	13.8	13.1	12.4	11.8	11.3	10.8	10.3
	3	24.8	23.3	21.9	20.7	19.6	18.6	17.7	16.9	16.2	15.5
	4	40.5	37.9	35.7	33.7	32.0	30.4	28.9	27.6	26.4	25.3