

AgLogic™ 15GG

Aldicarb Pesticide

GYP SUM Formulation

CALIBRATION TUBE CHART for ROW CROP APPLICATIONS

1. Understand and observe all safety precautions when handling and applying this product.
2. Use this calibration chart **ONLY** for the purpose of calibrating **AgLogic™ 15GG gypsum** formulation. Using these charts for any other product could result in a violation of label guidelines.
3. **Select Target Rate:** Please read and refer to the product label provided with the product and select the labeled use rate/acre that corresponds to the pests targeted for control.
4. **Select Initial Applicator Setting:** After the use rate has been selected, refer to the **APPROXIMATE APPLICATOR SETTINGS** provided in Table 1a below and select the rate that corresponds to the row spacing, the anticipated planting speed and application equipment information provided. Factors affecting the actual use rate for the **Gandy, John Deere and Case IH** applicators include: 1) Size of applicator opening, 2) Number of outlets per row, 3) Forward speed of the planter, 4) Row spacing and 5) Pest/Rate targeted for use.

The same process should be followed for post-planting application equipment illustrated in Table 1b below.

Table 1a: APPROXIMATE APPLICATOR SETTINGS for Select At-Planting Application Equipment

NOTE: All rates are APPROXIMATE and must be validated by using an **AgLogic™ 15GG** calibration tube and following these instructions. All settings are for one hopper box outlet per row. Refer to equipment manufacturer for additional calibration instructions.

AgLogic™ 15GG lbs/acre for Row Spacing					TYPE of GRANULAR APPLICATOR											
					GANDY GAUGE SETTING			JOHN DEERE MAX EMERGE GAUGE SETTING**			JOHN DEERE MAX EMERGE II GAUGE SETTING			CASE-IH SERIES 800/900 GAUGE SETTING****		
ROW SPACING					MPH			MPH			MPH			MPH		
22"	30"	36"	38"	48"	4	5	6	4	5	6	4	5	6	4	5	6
5.5	4.0	3.3	3	2.5	12	13	14	6***	7** *	8	8	9	11	1/6. 0	1/6. 5	1/7.5
7.3	5.3	4.4	4	3.3	13	15	16	7***	9	10	10	12	13	1/7. 0	1/7. 5	1/8.5
9.1	6.7	5.5	5	4.2	14	16	18	9	11	13	12	14	15	1/8. 0	1/8. 5	1/9.5
10.9	8.0	6.7	6	5.0	16	18	19	11	13	15	13	15	18	1/9. 0	1/9. 5	2/1.0
12.7	9.3	7.8	7	5.8	17	19	21	12	15	18	15	18	21	1/9. 5	2/0. 5	2/2.0
14.5	10. 7	8.9	8	6.7	18	20	22	14	17	20	16	20	23	2/0. 0	2/2. 0	2/3.5
16.4	12. 0	10. 0	9	7.5	19	21	23	16	19	23	18	22	27	2/1. 0	2/3. 0	2/5.0
18.2	13. 3	11. 1	10	8.3	20	22	24	17	21	25	20	25	29	2/2. 0	2/4. 0	2/6.5
21.8	16. 0	13. 3	12	10. 0	22	24	26	20	25	28	23	29	35	2/3. 5	2/7. 0	3/0.0
25.5	18. 7	15. 6	14	11. 7	23	26	29	24	28	30	27	35	41	2/5. 5	2/8. 5	3/4.5
27.0		17. 8	16	13. 3	25	28	31	26	29	32	31	39	45	2/7. 5	3/2. 5	3/8.0
33.0		20. 0	18	15. 0	26	30	33	28	31	33	36	44	48	3/0. 5	3/6. 0	4/2.0

			20	16.7	28	31	34	30	32	35	40	46	50	3/2.5	3/9.0	4/5.5
				20.0	31	34	37	32	34	37	45	49	53	3/7.5	4/6.0	5/3.0

*All settings for one hopper box outlet per row **Odd Numbered Housing (0-45) ***For John Deere gauge setting below 8 there will be great variations in flow rate. A gauge setting of 6 is the lowest recommended setting ****Gate/Dial

- For example, using the JOHN DEERE MAX EMERGE II (above), if your desired application rate is **3.5** pounds of **AgLogic™ 15GG gypsum** formulation per acre, your row spacing is **34"** and your anticipated planting speed is **5** mph, the initial setting should be **9**. Remember, this setting is intended to start the calibration process.
- All settings (Table 1a & 1b) for row crops are based upon one applicator box outlet tube per row.**

Table 1b: APPROXIMATE APPLICATOR SETTINGS* for Post-Planting Application Equipment

HORSTINE MICROBAND*											
(Using <u>one</u> 3/16" rotors per outlet, part #094006 AgLogic 15GG lbs/acre for Various Row Spacing											
ROW SPACING	SPROCKET** COMBINATION						DRIVER/DRIVEN				
	19-34	22-34	25-34	28-34	25-38	22-22	28-25	34-28	34-25	34-22	34-19
22"	5.50	6.40	7.30	8.20	8.90	10.00	11.20	12.10	13.60	15.40	17.80
30"	4.00	4.60	5.30	5.90	6.50	7.30	8.10	8.80	9.90	11.20	13.00
36"	3.30	3.90	4.40	5.00	5.40	6.10	6.80	7.30	8.20	9.40	10.90
40"	3.00	3.50	4.00	4.50	4.80	5.50	6.10	6.60	7.40	8.40	9.80
48"	2.50	2.90	3.30	3.70	4.00	4.60	5.10	5.50	6.20	7.10	8.20
RATIO:	0.550	0.640	0.730	0.820	0.890	1.000	1.120	1.210	1.360	1.545	1.789

- The Microband is based on positive metering. Settings do not change with different ground speeds.
- For alternative dose rates, different width rotors can be fitted. For example, a single 3/8" wide rotor per outlet will deliver twice the rates indicated in the above table.

*Calibrations based upon use of a Horstine Microband or Canaan 29.5-inch diameter Land wheel drive.

**Sprocket numbers, example: 19-34, indicate number of teeth on the DRIVER and DRIVEN Sprockets.

- Field Calibration:** Ensure that application equipment is clean and operable and the tractor is in good working order. The field where calibration is planned should be plowed, tilled and prepared for planting to ensure similar conditions when planting. Mark off the appropriate distance (200 or 300 feet) within the field for the calibration trial. Attach the **AgLogic™ 15GG** calibration tubes to each applicator outlet as variability between outlets is common.
- Set the gauge on the applicator to the setting as defined in 4 above. **The person handling AgLogic™ 15GG should be wearing the appropriate personal protective equipment as defined on the label.**
- Select the desired rate from **Table 2: Calibration Chart** (letters) for your specific row spacing.
 - Following the example given in number 5 above; selected rate (3.5 pounds) and row spacing (34"), the tubes should be filled to the level of 'E+' below (see **Table 2: Calibration Chart**). (Remember this calibration is based on one outlet per row.)
- Open the bag and pour the **AgLogic™ 15GG** into each applicator box.
- Set the tractor to the desired speed and maintain a uniform planting speed for 200 feet and stop the planter.
- Remove and tap tube(s) to settle granules.
- Refer to **Table 2: Calibration Chart** to determine if the rate you selected is confirmed.

Pounds/Acre	Ounces/200 Feet Row	Setting on Calibration Tube
5.5	0.74	D+

7.3	0.98	F
9.1	1.23	G
10.9	1.47	H
12.7	1.71	I
14.5	1.95	J+
16.4	2.20	K
18.2	2.45	L+
21.8	2.94	N+
25.5	3.43	P+
27.0	3.64	R
33.0	4.44	U

Table 2: Calibration Chart for Selected Row Spacing (inches)

Calibration Distance = 200 Feet for rates = 5.5 lbs – 33 lbs/acre for 22” Rows

Table 2a: Calibration Distance = 200 Feet for Rates: 10-20 lbs/Acre

Pounds/Acre	22”	30”	36”	38”	40”	48”
20		Q	T	U	U+	Y+
17		N+	Q+	R	S	V
14		L+	N+	O+	P	S
10		I+	K	K+	L	N

Table 2b: Calibration Distance = 300 Feet for Rates: 7 lbs./Acre or Less

Pounds/Acre	30”	36”	38”	40”	48”
7	I+	K+	L	L+	N+
6.5	I	J+	K	K+	M+
6	H+	J	J+	K	L+
5.5	G+	I	I+	J	L
5	G	H+	I	I+	K
4.5	F+	G+	H	H+	J
4	E+	G	G+	H	I
3.5	E	F	F+	G	H

*Indicates the product level in the tube should be between the letter shown and the next higher level on the tube.

14. If the rate is not confirmed adjust applicator setting as needed to get desired rate and repeat steps 7 through 13.
15. Always verify calibrated rates against known acreages and make further adjustments accordingly.
16. Recalibrate when product formulation, target pest, field conditions or ground speed changes.
17. Pour product back into applicator box for use or in the original container ONLY. Store the tubes and unused product in a safe secure location or dispose of properly.