



Implement-Mounted Orbit-Air[®]

Models 62DN12, 62DS12, 62DN18, 62DS16, 62EN24

Pneumatic Applicator with Stature 12-volt electric drive

Gandy Company
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RATE CHART & CALIBRATION PROCEDURES FOR BROADCAST APPLICATION

IMPORTANT: These rate charts are derived from factory calibrations made with the products as identified at the top of each chart. It is always recommended that the individual user check the actual output of his unit on site as variations do occur in formulations, density and atmospheric conditions that affect the flow characteristics of locally available products. The user is also cautioned to make certain he is reading the correct chart and column for his product, metering wheels, Orbit-Air model, and deflector spacing. The below procedure should be followed to guard against any of these variables:

- 1) Read the label and cautionary statements of the agricultural chemical you are using.
Determine the rate you need to apply in pounds per acre (lb. /A).
- 2) Look up the rate chart for the chemical and deflector/tube spacing. Set the speed control on the applicator for your rate according to rate chart. (If no chart is available, estimate the speed control setting).

NOTE: The above 62 Series implement-mounted Orbit-Air models' rate control units have a scale range of 43 increments. Each printed number refers to 10 increments.

Example: If a setting of 20 is suggested on the rate chart, align the speed control marker with number 2 by turning the adjustment crank.

- 3) Place a plastic bag around each deflector or tube end, securing it around the plastic tube, but leaving one-half of the top open to allow air to escape.

NOTE: Take precaution so bags are not dragged or torn while making calibration run.

- 4) Start the blower. Adjust blower speed so air stream is adequate to carry product through delivery tubes. Lower ranges such as 8 to 12 oz. /in² for chemical, or higher for fertilizer and large seeds.

5) Checking the Rate:

A. Pounds per Acre

1. Start the 12-volt motor and run for one (1) minute.
2. Weigh the total contents of all bags in pounds.
Example: 47 ounces = 2.9 pounds
3. To calculate acres covered: (Collected width in feet) times 88 (number of feet covered at one mph in one minute) divided by 43,560 (sq. ft. in one acre) equals portion of acre covered.
Example: 30 foot width x 88 feet = 2,640 sq. ft.
 $2,640 \text{ sq. ft.} \div 43,560 = .0606 \text{ of an acre}$
4. Divide the pounds collected in step #2 by the portion of an acre calculated in step #3. This would be the number of pounds per acre you are applying at one mile per hour. Divide this amount by your speed.
Example: 2.9 pounds of product \div .0606 of an acre = 47.8 pounds per acre @ 1 mph.
 $47.8 \text{ pounds} \div 5 \text{ mph.} = 9.6 \text{ pounds per acre}$

5. Adjust speed control, if needed, and repeat Steps #1 through #4 to achieve desired rate.

Continued on next page.

B. Ounces Per Thousand Foot of Row

1. Run the 12-volt Statue electric motor to meter the chemical for 68 seconds.
2. Weigh the contents of the bag in ounces.
3. Multiply the weight collected by 10 and you will have the ounces per 1000 feet of row your unit will be applying at one mile per hour. Divide this amount by your speed in miles per hour to determine ounces per 1000 feet being metered at your field speed.
4. Adjust speed control, if needed, and repeat Steps #1 through #3 to achieve desired rate.

In-The-Row Pesticides and Inoculants
(One opening per row)

Directions:

1. Find rate in ounces per 1,000 feet of row.
*If your rate is only given in pounds per acre for a specific row spacing, refer to the accompanying chart. Under the given row spacing, go down the column under your planting speed to your rate then left to the proper gauge setting for your speed. Row spacing makes no difference.

Pounds to Buy

To determine the pounds of chemical to buy for a given area:
1. Go down left column to your rate in pounds per 1,000 feet of row. Go right to the number in the column under your row spacing.

2. Multiply this number by the total number of acres to be treated.

*Pound of Granules Required Per Acre for Various Row Spacings											
Oz/ 1,000' of row	Row Spacing, with lineal feet of row per acre below.										
	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"
	26,136	23,760	21,780	20,104	18,668	17,424	16,335	15,374	14,520	13,758	13,068
1	1.64	1.49	1.36	1.26	1.17	1.09	1.02	.96	.91	.86	.82
2	3.27	2.97	2.72	2.51	2.33	2.18	2.04	1.92	1.82	1.72	1.63
3	4.90	4.46	4.09	3.77	3.50	3.27	3.07	2.89	2.73	2.59	2.45
4	6.54	5.94	5.45	5.03	4.67	4.36	4.09	3.85	3.83	3.44	3.27
5	8.17	7.43	6.81	6.28	5.83	5.45	5.10	4.80	4.54	4.30	4.08
6	8.80	8.91	8.17	7.54	7.00	6.53	6.13	5.77	5.45	5.16	4.90
7	11.43	10.40	9.53	8.80	8.17	7.62	7.15	6.73	6.35	6.02	5.72
8	13.07	11.88	10.89	10.05	9.33	8.71	8.17	7.69	7.26	6.88	6.53
9	14.70	13.37	12.25	11.31	10.50	9.80	9.19	8.65	8.17	7.74	7.35
10	16.34	14.85	13.61	12.57	11.67	10.89	10.21	9.61	9.08	8.60	8.17
11	17.97	16.34	14.97	13.82	12.83	11.98	11.23	10.57	9.98	9.46	8.98
12	19.60	17.82	16.34	15.08	14.00	13.07	12.25	11.53	10.89	10.32	9.80
13	21.24	19.31	17.70	16.33	15.17	14.16	13.27	12.49	11.80	11.18	10.62
14	22.87	20.79	18.06	17.59	16.33	15.25	14.29	13.45	12.71	12.04	11.43
15	24.50	22.28	20.42	18.85	17.50	16.34	15.31	14.41	13.61	12.90	12.25
16	26.14	23.76	21.78	20.10	18.67	17.42	16.34	15.37	14.52	13.76	13.07
17	27.77	25.25	23.14	21.36	19.83	18.51	17.36	16.33	15.43	14.62	13.88
18	29.40	26.73	24.50	22.62	21.00	19.60	18.38	17.30	16.34	15.48	14.70
19	31.04	28.22	25.86	23.87	22.17	20.69	19.40	18.26	17.24	16.34	15.52
20	32.67	29.70	27.23	25.13	23.34	21.78	20.42	19.22	18.15	17.20	16.34

***Example:** You are applying Counter at 10 ounces per thousand feet of row in 30-inch rows. Go down the rate column to 10, then right to the number in the 30-inch row spacing column. You will use 10.89 pounds of Counter for every acre you plant.

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

Dipel
Abbott Labs

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	3.8	2.9	2.3	1.9	1.6	1.4	1.3	1.1	1.0	1.0	.9	.8	.8
6	4.8	3.6	2.9	2.4	2.1	1.8	1.6	1.5	1.3	1.2	1.1	1.0	1.0
7	5.9	4.4	3.5	2.9	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.2
8	6.5	4.9	3.9	3.3	2.8	2.4	2.2	2.0	1.8	1.6	1.5	1.4	1.3
9	7.2	5.4	4.3	3.6	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.5	1.4
10	7.9	5.9	4.7	3.9	3.4	3.0	2.6	2.4	2.2	2.0	1.8	1.7	1.6
11	9.0	6.7	5.4	4.5	3.9	3.4	3.0	2.7	2.5	2.2	2.1	1.9	1.8
12	10.1	7.6	6.1	5.0	4.3	3.8	3.4	3.0	2.8	2.5	2.3	2.2	2.0
13	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4	2.2
14	12.3	9.2	7.4	6.2	5.3	4.6	4.1	3.7	3.4	3.1	2.8	2.6	2.5
15	13.4	10.1	8.0	6.7	5.7	5.0	4.5	4.0	3.7	3.4	3.1	2.9	2.7
16	14.3	10.7	8.6	7.1	6.1	5.4	4.8	4.3	3.9	3.6	3.3	3.1	2.9
17	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	4.1	3.8	3.5	3.3	3.0
18	16.1	12.0	9.6	8.0	6.9	6.0	5.4	4.8	4.4	4.0	3.7	3.4	3.2
19	16.9	12.7	10.2	8.5	7.3	6.4	5.6	5.1	4.6	4.2	3.9	3.6	3.4
20	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5	4.1	3.8	3.6
21	19.0	14.3	11.4	9.5	8.2	7.1	6.3	5.7	5.2	4.8	4.4	4.1	3.8
22	20.2	15.2	12.1	10.1	8.7	7.6	6.7	6.1	5.5	5.1	4.7	4.3	4.0
23	21.4	16.0	12.8	10.7	9.2	8.0	7.1	6.4	5.8	5.3	4.9	4.6	4.3
24	22.6	16.9	13.5	11.3	9.7	8.5	7.5	6.8	6.2	5.6	5.2	4.8	4.5
25	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8
26	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.8	6.2	5.7	5.3	5.0
27	25.7	19.3	15.4	12.9	11.0	9.7	8.6	7.7	7.0	6.4	5.9	5.5	5.1
28	26.7	20.0	16.0	13.4	11.5	10.0	8.9	8.0	7.3	6.7	6.2	5.7	5.3
29	27.7	20.8	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5
30	28.7	21.5	17.2	14.3	12.3	10.8	9.6	8.6	7.8	7.2	6.6	6.1	5.7
31	29.8	22.4	17.9	14.9	12.8	11.2	9.9	8.9	8.1	7.5	6.9	6.4	6.0
32	30.9	23.2	18.6	15.5	13.3	11.6	10.3	9.3	8.4	7.7	7.1	6.6	6.2
33	32.1	24.0	19.2	16.0	13.7	12.0	10.7	9.6	8.7	8.0	7.4	6.9	6.4
34	33.2	24.9	19.9	16.6	14.2	12.4	11.1	10.0	9.0	8.3	7.7	7.1	6.6
35	34.3	25.7	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9
36	36.0	27.0	21.6	18.0	15.4	13.5	12.0	10.8	9.8	9.0	8.3	7.7	7.2
37	37.7	28.2	22.6	18.8	16.1	14.1	12.6	11.3	10.3	9.4	8.7	8.1	7.5
38	39.3	29.5	23.6	19.7	16.9	14.8	13.1	11.8	10.7	9.8	9.1	8.4	7.9
39	41.0	30.8	24.6	20.5	17.6	15.4	13.7	12.3	11.2	10.3	9.5	8.8	8.2
40	42.7	32.0	25.6	21.3	18.3	16.0	14.2	12.8	11.6	10.7	9.9	9.1	8.5

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

Force 1.5G
ICI Americas

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	4.1	3.1	2.5	2.0	1.8	1.5	1.4	1.2	1.1	1.0	.9	.9	.8
6	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2	1.1
7	7.1	5.3	4.3	3.6	3.1	2.7	2.4	2.1	1.9	1.8	1.6	1.5	1.4
8	8.1	6.1	4.9	4.1	3.5	3.1	2.7	2.4	2.2	2.0	1.9	1.7	1.6
9	9.2	6.9	5.5	4.6	3.9	3.4	3.1	2.7	2.5	2.3	2.1	2.0	1.8
10	10.2	7.6	6.1	5.1	4.4	3.8	3.4	3.0	2.8	2.5	2.3	2.2	2.0
11	11.7	8.8	7.0	5.9	5.0	4.4	3.9	3.5	3.2	2.9	2.7	2.5	2.3
12	13.3	9.9	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.1	2.8	2.7
13	14.8	11.1	8.9	7.4	6.3	5.6	4.9	4.4	4.0	3.7	3.4	3.2	3.0
14	16.4	12.3	9.8	8.2	7.0	6.1	5.5	4.9	4.5	4.1	3.8	3.5	3.3
15	17.9	13.4	10.8	9.0	7.7	6.7	6.0	5.4	4.9	4.5	4.1	3.8	3.6
16	19.1	14.3	11.5	9.6	8.2	7.2	6.4	5.7	5.2	4.8	4.4	4.1	3.8
17	20.3	15.2	12.2	10.1	8.7	7.6	6.8	6.1	5.5	5.1	4.7	4.3	4.1
18	21.5	16.1	12.9	10.7	9.2	8.1	7.2	6.4	5.9	5.4	5.0	4.6	4.3
19	22.7	17.0	13.6	11.3	9.7	8.5	7.6	6.8	6.2	5.7	5.2	4.9	4.5
20	23.9	17.9	14.3	11.9	10.2	9.9	8.0	7.2	6.5	6.0	5.5	5.1	4.8
21	25.4	19.0	15.2	12.7	10.9	9.5	8.5	7.6	6.9	6.3	5.9	5.4	5.1
22	26.9	20.2	16.1	13.4	11.5	10.1	9.0	8.1	7.3	6.7	6.2	5.8	5.4
23	28.4	21.3	17.0	14.2	12.2	10.6	9.5	8.5	7.7	7.1	6.6	6.1	5.7
24	29.9	22.4	17.9	15.0	12.8	11.2	10.0	9.0	8.2	7.5	6.9	6.4	6.0
25	31.4	23.6	18.9	15.7	13.5	11.8	10.5	9.4	8.6	7.9	7.3	6.7	6.3
26	32.7	24.5	19.6	16.3	14.0	12.2	10.9	9.8	8.9	8.2	7.5	7.0	6.5
27	33.9	25.4	20.3	16.9	14.5	12.7	11.3	10.2	9.2	8.5	7.8	7.3	6.8
28	35.1	26.3	21.1	17.6	15.0	13.2	11.7	10.5	9.6	8.8	8.1	7.5	7.0
29	36.3	27.2	21.8	18.2	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3
30	37.6	28.2	22.5	18.8	16.1	14.1	12.5	11.3	10.2	9.4	8.7	8.0	7.5
31	38.8	29.1	23.3	19.4	16.6	14.5	12.9	11.6	10.6	9.7	8.9	8.3	7.8
32	40.0	30.0	24.0	20.0	17.1	15.0	13.3	12.0	10.9	10.0	9.2	8.6	8.0
33	41.2	30.9	24.7	20.6	17.6	15.4	13.7	12.4	11.2	10.3	9.5	8.8	8.2
34	42.4	31.8	25.4	21.2	18.2	15.9	14.1	12.7	11.6	10.6	9.8	9.1	8.5
35	43.6	32.7	26.2	21.8	18.7	16.4	14.5	13.1	11.9	10.9	10.1	9.3	8.7
36	45.4	34.0	27.2	22.7	19.5	17.0	15.1	13.6	12.4	11.3	10.5	9.7	9.1
37	47.2	35.4	28.3	23.6	20.2	17.7	15.7	14.2	12.9	11.8	10.9	10.1	9.4
38	49.0	36.7	29.4	24.5	21.0	18.4	16.3	14.7	13.4	12.2	11.3	10.5	9.8
39	50.8	38.1	30.5	25.4	21.8	19.0	16.9	15.2	13.8	12.7	11.7	10.9	10.2
40	52.6	39.4	31.5	26.3	22.5	19.7	17.5	15.8	14.3	13.1	12.1	11.3	10.5

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

M-Peril
Mycogen Corp

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	6.6	4.9	3.9	3.3	2.8	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3
6	8.5	6.4	5.1	4.3	3.7	3.2	2.8	2.6	2.3	2.1	2.0	1.8	1.7
7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6	2.4	2.2	2.1
8	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4
9	13.8	10.3	8.3	6.9	5.9	5.2	4.6	4.1	3.8	3.4	3.2	2.9	2.8
10	15.4	11.6	9.2	7.7	6.6	5.8	5.1	4.6	4.2	3.9	3.6	3.3	3.1
11	17.3	13.0	10.4	8.6	7.4	6.5	5.8	5.2	4.7	4.3	4.0	3.7	3.5
12	19.1	14.4	11.5	9.6	8.2	7.2	6.4	5.7	5.2	4.8	4.4	4.1	3.8
13	21.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.3	4.8	4.5	4.2
14	22.9	17.2	13.7	11.4	9.8	8.6	7.6	6.9	6.2	5.7	5.3	4.9	4.6
15	24.7	18.6	14.8	12.4	10.6	9.3	8.2	7.4	6.7	6.2	5.7	5.3	4.9
16	26.6	20.0	16.0	13.3	11.4	10.0	8.9	8.0	7.3	6.7	6.1	5.7	5.3
17	28.5	21.4	17.1	14.2	12.2	10.7	9.5	8.5	7.8	7.1	6.6	6.1	5.7
18	30.4	22.8	18.2	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1
19	32.2	24.2	19.3	16.1	13.8	12.1	10.7	9.7	8.8	8.1	7.4	6.9	6.4
20	34.1	25.6	20.5	17.0	14.6	12.8	11.4	10.2	9.3	8.5	7.9	7.3	6.8
21	36.3	27.2	21.8	18.1	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3
22	38.5	28.9	23.1	19.2	16.5	14.4	12.8	11.5	10.5	9.6	8.9	8.2	7.7
23	40.7	30.5	24.4	20.3	17.4	15.3	13.6	12.2	11.1	10.2	9.4	8.7	8.1
24	42.9	32.2	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6
25	45.1	33.8	27.0	22.5	19.3	16.9	15.0	13.5	12.3	11.3	10.4	9.7	9.0
26	47.4	35.5	28.4	23.7	20.3	17.8	15.8	14.2	12.9	11.8	10.9	10.2	9.5
27	49.7	37.3	29.8	24.8	21.3	18.6	16.6	14.9	13.5	12.4	11.5	10.6	9.9
28	52.0	39.0	31.2	26.0	22.3	19.5	17.3	15.6	14.2	13.0	12.0	11.1	10.4
29	54.3	40.7	32.6	27.1	23.3	20.4	18.1	16.3	14.8	13.6	12.5	11.6	10.9
30	56.6	42.4	33.9	28.3	24.2	21.2	18.9	17.0	15.4	14.1	13.1	12.1	11.3
31	59.2	44.4	35.5	29.6	25.4	22.2	19.7	17.8	16.2	14.8	13.7	12.7	11.8
32	61.9	46.4	37.1	30.9	26.5	23.2	20.6	18.6	16.9	15.5	14.3	13.3	12.4
33	64.5	48.4	38.7	32.3	27.7	24.2	21.5	19.4	17.6	16.1	14.9	13.8	12.9
34	67.2	50.4	40.3	33.6	28.8	25.2	22.4	20.2	18.3	16.8	15.5	14.4	13.4
35	69.8	52.4	41.9	34.9	29.9	26.2	23.3	20.9	19.0	17.5	16.1	15.0	14.0
36	72.7	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5
37	75.6	56.7	45.4	37.8	32.4	28.4	25.2	22.7	20.6	18.9	17.5	16.2	15.1
38	78.5	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7
39	81.4	61.1	48.9	40.7	34.9	30.5	27.1	24.4	22.2	20.4	18.8	17.5	16.3
40	84.4	63.3	50.6	42.2	36.2	31.6	28.1	25.3	23.0	21.1	19.5	18.1	16.9

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

Lorsban 15G

DowElanco

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	3.7	2.8	2.2	1.9	1.6	1.4	1.2	1.1	1.0	.9	.9	.8	.7
6	4.4	3.3	2.6	2.2	1.9	1.6	1.5	1.3	1.2	1.1	1.0	.9	.9
7	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4	1.2	1.1	1.1	1.0
8	5.4	4.0	3.2	2.7	2.3	2.0	1.8	1.6	1.5	1.3	1.2	1.1	1.1
9	5.8	4.3	3.5	2.9	2.5	2.2	1.9	1.7	1.6	1.4	1.3	1.2	1.2
10	6.2	4.6	3.7	3.1	2.6	2.3	2.1	1.9	1.7	1.5	1.4	1.3	1.2
11	7.7	5.8	4.6	3.9	3.3	2.9	2.6	2.3	2.1	1.9	1.8	1.7	1.5
12	9.3	7.0	5.6	4.6	4.0	3.5	3.1	2.8	2.5	2.3	2.1	2.0	1.9
13	10.8	8.1	6.5	5.4	4.6	4.1	3.6	3.3	3.0	2.7	2.5	2.3	2.2
14	12.4	9.3	7.4	6.2	5.3	4.7	4.1	3.7	3.4	3.1	2.9	2.7	2.5
15	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	3.8	3.5	3.2	3.0	2.8
16	14.1	10.6	8.5	7.1	6.1	5.3	4.7	4.2	3.9	3.5	3.3	3.0	2.8
17	14.3	10.7	8.6	7.2	6.1	5.4	4.8	4.3	3.9	3.6	3.3	3.1	2.9
18	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.3	3.1	2.9
19	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7	3.4	3.1	2.9
20	14.9	11.2	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2	3.0
21	15.9	11.9	9.6	8.0	6.8	6.0	5.3	4.8	4.3	4.0	3.7	3.4	3.2
22	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2	3.9	3.6	3.4
23	18.0	13.5	10.8	9.0	7.7	6.8	6.0	5.4	4.9	4.5	4.2	3.9	3.6
24	19.1	14.3	11.5	9.5	8.2	7.2	6.4	5.7	5.2	4.8	4.4	4.1	3.8
25	20.1	15.1	12.1	10.1	8.6	7.6	6.7	6.0	5.5	5.0	4.6	4.3	4.0
26	21.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.3	4.8	4.5	4.2
27	21.9	16.4	13.1	10.9	9.4	8.2	7.3	6.6	6.0	5.5	5.0	4.7	4.4
28	22.8	17.1	13.7	11.4	9.8	8.5	7.6	6.8	6.2	5.7	5.3	4.9	4.6
29	23.6	17.7	14.2	11.8	10.1	8.9	7.9	7.1	6.4	5.9	5.5	5.1	4.7
30	24.5	18.4	14.7	12.2	10.5	9.2	8.2	7.3	6.7	6.1	5.7	5.2	4.9
31	25.5	19.1	15.3	12.8	10.9	9.6	8.5	7.7	7.0	6.4	5.9	5.5	5.1
32	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6	6.1	5.7	5.3
33	27.6	20.7	16.6	13.8	11.8	10.3	9.2	8.3	7.5	6.9	6.4	5.9	5.5
34	28.6	21.5	17.2	14.3	12.3	10.7	9.5	8.6	7.8	7.2	6.6	6.1	5.7
35	29.7	22.2	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9
36	31.1	23.3	18.7	15.5	13.3	11.7	10.4	9.3	8.5	7.8	7.2	6.7	6.2
37	32.5	24.4	19.5	16.3	13.9	12.2	10.8	9.8	8.9	8.1	7.5	7.0	6.5
38	33.9	25.5	20.4	17.0	14.5	12.7	11.3	10.2	9.3	8.5	7.8	7.3	6.8
39	35.4	26.5	21.2	17.7	15.2	13.3	11.8	10.6	9.6	8.8	8.2	7.6	7.1
40	36.8	27.6	22.1	18.4	15.8	13.8	12.3	11.0	10.0	9.2	8.5	7.9	7.4

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

Pounce 1.5G n

FMC

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	5.3	4.0	3.2	2.7	2.3	2.0	1.8	1.6	1.5	1.3	1.2	1.1	1.1
6	6.8	5.1	4.1	3.4	2.9	2.5	2.3	2.0	1.8	1.7	1.6	1.5	1.4
7	8.2	6.1	4.9	4.1	3.5	3.1	2.7	2.5	2.2	2.0	1.9	1.8	1.6
8	9.5	7.1	5.7	4.7	4.1	3.6	3.2	2.8	2.6	2.4	2.2	2.0	1.9
9	10.7	8.1	6.4	5.4	4.6	4.0	3.6	3.2	2.9	2.7	2.5	2.3	2.1
10	12.0	9.0	7.2	6.0	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4
11	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0	3.7	3.3	3.1	2.9	2.7
12	14.8	11.1	8.9	7.4	6.3	5.5	4.9	4.4	4.0	3.7	3.4	3.2	3.0
13	16.1	12.1	9.7	8.1	6.9	6.1	5.4	4.8	4.4	4.0	3.7	3.5	3.2
14	17.5	13.1	10.5	8.8	7.5	6.6	5.8	5.3	4.8	4.4	4.0	3.8	3.5
15	18.9	14.2	11.3	9.4	8.1	7.1	6.3	5.7	5.2	4.7	4.4	4.0	3.8
16	20.3	15.2	12.2	10.2	8.7	7.6	6.8	6.1	5.5	5.1	4.7	4.4	4.1
17	21.7	16.3	13.0	10.9	9.3	8.2	7.2	6.5	5.9	5.4	5.0	4.7	4.3
18	23.2	17.4	13.9	11.6	9.9	8.7	7.7	6.9	6.3	5.8	5.3	5.0	4.6
19	24.6	18.4	14.8	12.3	10.5	9.2	8.2	7.4	6.7	6.1	5.7	5.3	4.9
20	26.0	19.5	15.6	13.0	11.1	9.8	8.7	7.8	7.1	6.5	6.0	5.6	5.2
21	27.6	20.7	16.6	13.8	11.8	10.4	9.2	8.3	7.5	6.9	6.4	5.9	5.5
22	29.3	21.9	17.6	14.6	12.5	11.0	9.8	8.8	8.0	7.3	6.8	6.3	5.9
23	30.9	23.2	18.5	15.4	13.2	11.6	10.3	9.3	8.4	7.7	7.1	6.6	6.2
24	32.5	24.4	19.5	16.2	13.9	12.2	10.8	9.7	8.9	8.1	7.5	7.0	6.5
25	34.1	25.6	20.5	17.1	14.6	12.8	11.4	10.2	9.3	8.5	7.9	7.3	6.8
26	35.7	26.8	21.4	17.9	15.3	13.4	11.9	10.7	9.7	8.9	8.2	7.7	7.1
27	37.3	28.0	22.4	18.7	16.0	14.0	12.4	11.2	10.2	9.3	8.6	8.0	7.5
28	38.9	29.2	23.4	19.5	16.7	14.6	13.0	11.7	10.6	9.7	9.0	8.3	7.8
29	40.5	30.4	24.3	20.3	17.4	15.2	13.5	12.2	11.1	10.1	9.4	8.7	8.1
30	42.1	31.6	25.3	21.1	18.1	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4
31	43.9	32.9	26.3	21.9	18.8	16.5	14.6	13.2	12.0	11.0	10.1	9.4	8.8
32	45.6	34.2	27.4	22.8	19.6	17.1	15.2	13.7	12.4	11.4	10.5	9.8	9.1
33	47.4	35.5	28.4	23.7	20.3	17.8	15.8	14.2	12.9	11.8	10.9	10.2	9.5
34	49.1	36.8	29.5	24.6	21.0	18.4	16.4	14.7	13.4	12.3	11.3	10.5	9.8
35	50.9	38.1	30.5	25.4	21.8	19.1	17.0	15.3	13.9	12.7	11.7	10.9	10.2
36	52.9	39.7	31.7	26.4	22.7	19.8	17.6	15.9	14.4	13.2	12.2	11.3	10.6
37	54.9	41.2	33.0	27.5	23.5	20.6	18.3	16.5	15.0	13.7	12.7	11.8	11.0
38	57.0	42.7	34.2	28.5	24.4	21.4	19.0	17.1	15.5	14.2	13.1	12.2	11.4
39	59.0	44.2	35.4	29.5	25.3	22.1	19.7	17.7	16.1	14.7	13.6	12.6	11.8
40	61.0	45.8	36.6	30.5	26.1	22.9	20.3	18.3	16.6	15.3	14.1	13.1	12.2

Insecticide

**Row Rate Chart for Gandy Orbit-Air 8, 10, 21.9 & 30 Cu. Ft. Models
w/ 12-Volt Stature Motor & Black Metering Wheels
Metering Gates - Position 3
1 opening per row**

Thimet 20G
American Cyanamid

Speed in Miles Per Hour													
	3	4	5	6	7	8	9	10	11	12	13	14	15
Zero-Max Gauge	Ounces Per 1000 Foot of Row												
5	3.1	2.3	1.8	1.5	1.3	1.1	1.0	.9	.8	.8	.7	.7	.6
6	4.1	3.1	2.5	2.1	1.8	1.6	1.4	1.2	1.1	1.0	1.0	.9	.8
7	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	1.4	1.3	1.2	1.1	1.0
8	6.0	4.5	3.6	3.0	2.6	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.2
9	6.7	5.0	4.0	3.3	2.9	2.5	2.2	2.0	1.8	1.7	1.5	1.4	1.3
10	7.4	5.6	4.4	3.7	3.2	2.8	2.5	2.2	2.0	1.9	1.7	1.6	1.5
11	8.4	6.3	5.1	4.2	3.6	3.2	2.8	2.5	2.3	2.1	1.9	1.8	1.7
12	9.5	7.1	5.7	4.7	4.1	3.6	3.2	2.8	2.6	2.4	2.2	2.0	1.9
13	10.5	7.9	6.3	5.3	4.5	4.0	3.5	3.2	2.9	2.6	2.4	2.3	2.1
14	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5	3.2	2.9	2.7	2.5	2.3
15	12.6	9.5	7.6	6.3	5.4	4.7	4.2	3.8	3.4	3.2	2.9	2.7	2.5
16	13.4	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4	3.1	2.9	2.7
17	14.2	10.7	8.5	7.1	6.1	5.3	4.7	4.3	3.9	3.6	3.3	3.0	2.8
18	15.0	11.3	9.0	7.5	6.4	5.6	5.0	4.5	4.1	3.8	3.5	3.2	3.0
19	15.8	11.8	9.5	7.9	6.8	5.9	5.3	4.7	4.3	3.9	3.6	3.4	3.2
20	16.6	12.4	10.0	8.3	7.1	6.2	5.5	5.0	4.5	4.1	3.8	3.6	3.3
21	17.8	13.3	10.7	8.9	7.6	6.7	5.9	5.3	4.8	4.4	4.1	2.8	3.6
22	19.0	14.2	11.4	9.5	8.1	7.1	6.3	5.7	5.2	4.7	4.4	4.1	3.8
23	20.2	15.1	12.1	10.1	8.6	7.6	6.7	6.1	5.5	5.0	4.7	4.3	4.0
24	21.4	16.0	12.8	10.7	9.2	8.0	7.1	6.4	5.8	5.3	4.9	4.6	4.3
25	22.6	16.9	13.5	11.3	9.7	8.5	7.5	6.8	6.2	5.6	5.2	4.8	4.5
26	23.6	17.7	14.1	11.8	10.1	8.8	7.9	7.1	6.4	5.9	5.4	5.0	4.7
27	24.5	18.4	14.7	12.3	10.5	9.2	8.2	7.4	6.7	6.1	5.7	5.3	4.9
28	25.5	19.2	15.3	12.8	10.9	9.6	8.5	7.7	7.0	6.4	5.9	5.5	5.1
29	26.5	19.9	15.9	13.3	11.4	9.9	8.8	8.0	7.2	6.6	6.1	5.7	5.3
30	27.5	20.6	16.5	13.8	11.8	10.3	9.2	8.3	7.5	6.9	6.3	5.9	5.5
31	28.6	21.4	17.1	14.3	12.2	10.7	9.5	8.6	7.8	7.1	6.6	6.1	5.7
32	29.6	22.2	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9
33	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.2	8.4	7.7	7.1	6.6	6.1
34	31.8	23.8	19.1	15.9	13.6	11.9	10.6	9.5	8.7	7.9	7.3	6.8	6.4
35	32.8	24.6	19.7	16.4	14.1	12.3	10.9	9.9	9.0	8.2	7.6	7.0	6.6
36	34.4	25.8	20.6	17.2	14.7	12.9	11.5	10.3	9.4	8.6	7.9	7.4	6.9
37	35.9	26.9	21.5	17.9	15.4	13.4	12.0	10.8	9.8	9.0	8.3	7.7	7.2
38	37.4	28.0	22.4	18.7	16.0	14.0	12.5	11.2	10.2	9.3	8.6	8.0	7.5
39	38.9	29.2	23.3	19.4	16.7	14.6	13.0	11.7	10.6	9.7	9.0	8.3	7.8
40	40.4	30.3	24.2	20.2	17.3	15.1	13.5	12.1	11.0	10.1	9.3	8.7	8.1