

Gandy

Positive Displacement

Metering System

Row Pesticide Applicators
(Multi-Purpose, PDM, PDA & Poly-PDMS)

Rate Charts

Note:

Field calibration is required before making application.

These charts are only guides for starting calibration.

Variables of installation, product formulation, atmospheric, and mechanical maintenance can significantly affect application rate.

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GENERAL INFORMATION

IMPORTANCE OF CALIBRATION

Each product flows differently; thus, individual rate charts are required. Gandy charts were calibrated from samples furnished by the respective chemical companies as of this printing and calibrated under laboratory conditions. However, variations in formulation, humidity, temperature and age of product may affect application rates. We suggest checking your results as outlined under PROCEDURE.

PROCEDURE

1. **Check Ground Speed:** Use these distances traveled in one minute.

1 mph	2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph
88	176	264	652	440	528	616	704	792	880

2. **Determine Rate:** From the product label. Products listed are manufactured in North America. Similar products manufactured elsewhere may have different formulations.

Banded Herbicides: Find rate in pounds per broadcast acre. If not given, use furnished chart called POUNDS OF CHEMICAL USED PER ACRE to convert pounds per acre rate at specific row spacing to pounds per broadcast acre.

In-the-row: Find rate in ounces per 1,000 feet of row. If not given, use chart to convert pounds per acre at specific row spacing rate to ounces per 1,000 feet of row.

3. **Look up settings:** Turn to chart for your product and application.

4. **Set the sprocket configurations:**

5. **Check results:**

- Set sprockets.
- Fill hoppers level full.
- Treat a known area.
- Weigh a full bag of chemical in pounds.
- Refill hoppers level full.
- Weigh what is left.
- Subtract by area treated for rate in pounds per gross acre:
 - banded herbicides: Use chart to convert to pounds per broadcast acre.
 - in-the-row: Use chart to convert to ounces per 1,000 feet of row.
- Adjust sprocket relationship if needed and recheck.

Note: Field calibration is required before making application. These charts are only guides for starting calibration. Variables of installation, product formulations, atmospheric conditions, and mechanical maintenance will affect application rate.

BANDED HERBICIDES

DIRECTIONS:

1. Find rate in pounds per **Broadcast** acre. *If your rate is not given in pounds per broadcast acre, refer to the following chart on the next page. Under your row spacing, find your rate in pounds per banded acre. Then move left to your rate in pounds per broadcast acre. Estimate for your specific rate.*
2. On the chart for your chemical and Ro-Bander width, go down the column under *your planting speed* to your rate, then left to the proper setting for your speed.

POUNDS TO BUY

To determine the pounds of chemical to buy for a given area:

- Go down left column to your rate in pounds per broadcast acre.
 - Go right to the number in the column under your row spacing.
 - Multiply this number by the total number of acres to be treated.
-
- 14-inch bands: this is the number of pounds needed
 - 10-inch bands: multiply answer by 0.71 for lbs. needed.
 - 7-inch bands: multiply answer by 0.50 for lbs. needed.
 - 5-inch bands: multiply answer by 0.35 for lbs. needed.
 - 15-inch bands: multiply answer by 1.06 for lbs. needed.
 - 20-inch bands: multiply answer by 1.42 for lbs. needed.
 - 21-inch bands: multiply answer by 1.50 for lbs. needed.
 - 28-inch bands: multiply answer by 2.00 for lbs. needed.

POUNDS OF CHEMICAL USED PER ACRE

Broadcast Rate #/A	Row spacing in inches										
	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"
5 10	3.5 7.0	3.2 6.4	2.9 5.8	2.7 5.4	2.5 5.0	2.3 4.7	2.2 4.4	2.1 4.1	1.9 3.9	1.8 3.7	1.8 3.5
15 20	10.5 14.0	9.6 12.7	8.8 11.7	8.1 10.8	7.5 10.0	7.0 9.3	6.6 8.8	6.2 8.2	5.8 7.8	5.5 7.4	5.3 7.0
25 30	17.5 21.0	15.9 19.1	14.6 17.5	13.5 16.2	12.5 15.0	11.7 14.0	10.9 13.3	10.3 12.4	9.7 11.7	9.2 11.1	8.8 10.5
35 40	24.5 28.0	22.3 25.5	20.4 23.3	18.9 21.5	17.5 20.0	16.3 18.7	15.3 17.5	14.4 16.5	13.6 15.6	12.9 14.7	12.3 14.0
45 50	31.5 35.0	28.6 31.8	26.3 29.2	24.2 26.9	22.5 25.0	21.0 23.3	19.7 21.9	18.5 20.6	17.5 19.4	16.6 18.4	15.8 17.5

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 chart at bottom of page. Under the given row spacing, go down the column to your desired rate, then left to your rate in ounces per 1,000 feet of row.*
2. On the chart for your chemical, 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:

- Go down left column to your rate in ounces per 1,000 feet of row.
- Go right to the number in the column under your row spacing.
- Multiply this number by the total number of acres to be treated.

Pound of Granules Required Per Acre, for Various Row Spacings											
Ounces per thousand feet of row	Row Spacing, with linear feet of row per acre below										
	20" 26,136	22" 23,760	24" 21,780	26" 20,104	28" 18,668	30" 17,424	32" 16,335	34" 15,374	36" 14,520	38" 13,756	40" 13,068
1 2	1.64 3.27	1.49 2.97	1.36 2.72	1.26 2.51	1.17 2.33	1.09 2.18	1.02 2.04	.96 1.92	.91 1.82	.86 1.72	.82 1.63
3 4	4.90 6.54	4.46 5.94	4.09 5.45	3.77 5.03	3.50 4.67	3.27 4.36	3.07 4.09	2.89 3.85	2.73 3.63	2.59 3.44	2.45 3.27
5 6	8.17 9.80	7.43 8.91	6.81 8.17	6.28 7.54	5.83 7.00	5.45 6.53	5.10 6.13	4.80 5.77	4.54 5.45	4.30 5.16	4.08 4.90
7 8	11.43 13.07	10.40 11.88	9.53 10.89	8.80 10.05	8.17 9.33	7.62 8.71	7.15 8.17	6.73 7.69	6.35 7.26	6.02 6.88	5.72 6.53
9 10	14.70 16.34	13.37 14.85	12.25 13.61	11.31 12.57	10.50 11.67	9.80 10.89	9.19 10.21	8.65 9.61	8.17 9.08	7.74 8.60	7.35 8.87
11 12	17.97 19.60	16.34 17.82	14.97 16.34	13.82 15.08	12.83 14.00	11.98 13.07	11.23 12.25	10.57 11.53	9.98 10.89	9.46 10.32	8.98 9.80
13 14	21.24 22.87	19.31 20.79	17.70 19.06	16.33 17.59	15.17 16.33	14.16 15.25	13.27 14.29	12.49 13.45	11.80 12.71	11.18 12.04	10.62 11.43
15 16	24.50 26.14	22.28 23.76	20.42 21.78	18.85 20.10	17.50 18.67	16.34 17.42	15.31 16.34	14.41 15.37	13.61 14.52	12.90 13.76	12.25 13.07
17 18	27.77 29.40	25.25 26.73	23.14 24.50	21.36 22.62	19.83 21.00	18.51 19.60	17.36 18.38	16.33 17.30	15.43 16.34	14.62 15.48	13.88 14.70
19 20	31.04 32.67	28.22 29.70	25.86 27.23	23.87 25.13	22.17 23.34	20.69 21.78	19.40 20.42	18.26 19.22	17.24 18.15	16.34 17.20	15.52 16.34

* Two openings per row. Set gauge to half indicated rate.

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates Black 1.25" full-rate meter wheels

**COUNTER CR
AMERICAN CYANAMID**

DRIVE SHAFT Black 1.25"
RATE SPROCKET Meter Wheels
2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	2.39
8	32	0.50	2.54
8	30	0.53	2.71
8	24	0.67	3.39
8	22	0.73	3.69
8	20	0.80	4.06
8	18	0.89	4.51
12	24	1.00	5.08
12	22	1.09	5.54
8	14	1.14	5.90
12	20	1.20	6.09
14	22	1.27	6.46
12	18	1.33	6.77
14	20	1.40	7.11
16	22	1.45	7.39
12	16	1.50	7.62
14	18	1.56	7.90
16	20	1.60	8.12
18	22	1.64	8.31
12	14	1.71	8.71
14	16	1.75	8.89
18	20	1.80	9.14
16	16	2.00	10.16
22	20	2.20	11.17
18	16	2.25	11.43
14	12	2.33	11.85
24	20	2.40	12.19
22	18	2.44	12.41
20	16	2.50	12.70
18	14	2.57	13.06
16	12	2.67	13.54
22	16	2.75	13.96
20	14	2.86	14.51
18	12	3.00	15.23
22	14	3.14	15.96
20	12	3.33	16.93
24	14	3.43	17.41
14	3	3.50	17.77
22	12	3.67	18.62
24	12	4.00	20.31
18	8	4.50	22.85
20	8	5.00	25.39
22	8	5.50	27.93
24	8	6.00	30.47

**COUNTER 15G
AMERICAN CYANAMID**

DRIVE SHAFT Black 1.25"
RATE SPROCKET Meter Wheels
2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	1.43
8	32	0.50	1.52
8	30	0.53	1.62
8	24	0.67	2.03
8	22	0.73	2.21
8	20	0.80	2.43
8	18	0.89	2.70
12	24	1.00	3.04
12	22	1.09	3.32
8	14	1.14	3.47
12	20	1.20	3.65
14	22	1.27	3.87
12	18	1.33	4.05
14	20	1.40	4.25
16	22	1.45	4.42
12	16	1.50	4.56
14	18	1.56	4.73
16	20	1.60	4.86
18	22	1.64	4.97
12	14	1.71	5.21
14	16	1.75	5.32
18	20	1.80	5.47
16	16	2.00	6.08
22	20	2.20	6.69
18	16	2.25	6.84
14	12	2.33	7.09
24	20	2.40	7.29
22	18	2.44	7.43
20	16	2.50	7.60
18	14	2.57	7.81
16	12	2.67	8.10
22	16	2.75	8.36
20	14	2.86	8.68
18	12	3.00	9.12
22	14	3.14	9.55
20	12	3.33	10.13
24	14	3.43	10.42
14	3	3.50	10.64
22	12	3.67	11.14
24	12	4.00	12.16
18	8	4.50	13.67
20	8	5.00	15.19
22	8	5.50	16.71
24	8	6.00	18.23

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates Black .625" half-rate meter wheels

**COUNTER 15G
AMERICAN CYANAMID**

DRIVE SHAFT Black .625"
RATE SPROCKET Meter Wheels
2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	0.56
8	30	0.53	0.64
8	24	0.67	0.8
8	22	0.73	0.9
8	20	0.80	1.0
8	18	0.89	1.1
12	24	1.00	1.2
12	22	1.09	1.3
12	20	1.20	1.4
14	22	1.27	1.5
12	18	1.33	1.6
14	20	1.40	1.7
12	16	1.50	1.8
14	18	1.56	1.9
18	22	1.64	2.0
12	14	1.71	2.1
18	20	1.80	2.2
16	16	2.00	2.4
22	20	2.20	2.6
18	16	2.25	2.7
14	12	2.33	2.8
22	18	2.44	2.9
20	16	2.50	3.0
18	14	2.57	3.1
16	12	2.67	3.2
22	16	2.75	3.3
20	14	2.86	3.4
18	12	3.00	3.6
22	14	3.14	3.8
20	12	3.33	4.0
24	14	3.43	4.1
14	8	3.50	4.2
22	12	3.67	4.4
24	12	4.00	4.8
18	8	4.50	5.4
20	8	5.00	6.0
22	8	5.50	6.6
24	8	6.00	7.2
30	8	7.50	9.0
32	8	8.00	9.6
34	8	8.50	10.2

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates Black 1.25" full rate meter wheels

**LORSBAN 15G
DOWELANCO**

DRIVE SHAFT Black 1.25"
RATE SPROCKET Meter Wheels
2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	1.6
8	32	0.50	1.7
8	30	0.53	1.8
8	24	0.67	2.2
8	22	0.73	2.4
8	20	0.80	2.7
8	18	0.89	3.0
12	24	1.00	3.3
12	22	1.09	3.6
8	14	1.14	3.8
14	24	1.17	3.9
12	20	1.20	4.0
14	22	1.27	4.2
12	18	1.33	4.4
14	20	1.40	4.7
12	16	1.50	5.0
14	18	1.56	5.2
16	20	1.60	5.3
18	22	1.64	5.4
12	14	1.71	5.7
18	20	1.80	6.0
20	22	1.82	6.0
12	12	2.00	6.7
22	20	2.20	7.3
18	16	2.25	7.5
14	12	2.33	7.8
24	20	2.40	8.0
22	18	2.44	8.1
20	16	2.50	8.3
18	14	2.57	8.6
16	12	2.67	8.9
22	16	2.75	9.1
20	14	2.86	9.5
18	12	3.00	10.0
22	14	3.14	10.5
20	12	3.33	11.1
24	14	3.43	11.4
14	8	3.50	11.6
22	12	3.67	12.2
24	12	4.00	13.3
18	8	4.50	15.0
20	8	5.00	16.6
22	8	5.50	18.3
24	8	6.00	20.0

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates

Black .625" half-rate meter wheels

LORSBAN 15G

DOWELANCO

DRIVE SHAFT Black .625"
 RATE SPROCKET Meter Wheels
 2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	0.66
8	30	0.53	0.75
8	24	0.67	0.9
8	22	0.73	1.0
8	20	0.80	1.1
8	18	0.89	1.2
12	24	1.00	1.4
12	22	1.09	1.5
14	24	1.17	1.6
12	20	1.20	1.7
14	22	1.27	1.8
12	18	1.33	1.9
14	20	1.40	2.0
12	16	1.50	2.1
16	20	1.60	2.2
18	22	1.64	2.3
12	14	1.71	2.4
18	20	1.80	2.5
20	22	1.82	2.6
12	12	2.00	2.8
22	20	2.20	3.1
18	16	2.25	3.2
14	12	2.33	3.3
22	18	2.44	3.4
20	16	2.50	3.5
18	14	2.57	3.6
16	12	2.67	3.7
22	16	2.75	3.9
20	14	2.86	4.0
18	12	3.00	4.2
22	14	3.14	4.4
20	12	3.33	4.7
24	14	3.43	4.8
14	8	3.50	4.9
22	12	3.67	5.1
24	12	4.00	5.6
18	8	4.50	6.3
20	8	5.00	7.0
22	8	5.50	7.7
24	8	6.00	8.4
30	8	7.50	10.5
34	8	8.50	11.9

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates

Black 1.25" full-rate meter wheels

MOCAP 15G

RHONE-POULENC

DRIVE SHAFT Black 1.25"
 RATE SPROCKET Meter Wheels
 2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	1.7
8	32	0.50	1.8
8	30	0.53	1.9
8	24	0.67	2.4
8	22	0.73	2.6
8	20	0.80	2.9
8	18	0.89	3.2
12	24	1.00	3.6
12	22	1.09	3.9
8	14	1.14	4.1
12	20	1.20	4.3
14	22	1.27	4.5
12	18	1.33	4.8
14	20	1.40	5.0
16	22	1.45	5.2
12	16	1.50	5.4
14	18	1.56	5.5
16	20	1.60	5.7
18	22	1.64	5.8
12	14	1.71	6.1
14	16	1.75	6.2
18	20	1.80	6.4
20	22	1.82	6.5
12	12	2.00	7.1
22	20	2.20	7.8
18	16	2.25	8.0
14	12	2.33	8.3
24	20	2.40	8.6
22	18	2.44	8.7
20	16	2.50	8.9
18	14	2.57	9.2
16	12	2.67	9.5
22	16	2.75	9.8
20	14	2.86	10.2
18	12	3.00	10.7
22	14	3.14	11.2
20	12	3.33	11.9
24	14	3.43	12.2
14	8	3.50	12.5
22	12	3.67	13.1
24	12	4.00	14.3
18	8	4.50	16.1
20	8	5.00	17.8
22	8	5.50	19.6
24	8	6.00	21.4

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates

Black .625" half-rate meter wheels

MOCAP 15G

RHONE-POULENC

DRIVE SHAFT Black .625"
 RATE SPROCKET Meter Wheels
 2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	0.7
8	32	0.50	0.8
8	30	0.53	0.8
8	24	0.67	1.0
8	22	0.73	1.1
8	20	0.80	1.2
8	18	0.89	1.4
12	24	1.00	1.6
12	22	1.09	1.7
8	14	1.14	1.8
12	20	1.20	1.9
14	22	1.27	2.0
12	18	1.33	2.1
14	20	1.40	2.2
16	22	1.45	2.3
12	16	1.50	2.3
14	18	1.56	2.4
16	20	1.60	2.5
18	22	1.64	2.5
12	14	1.71	2.7
14	16	1.75	2.7
18	20	1.80	2.8
20	22	1.82	2.8
12	12	2.00	3.1
22	20	2.20	3.4
18	16	2.25	3.5
14	12	2.33	3.6
24	20	2.40	3.7
22	18	2.44	3.8
20	16	2.50	3.9
18	14	2.57	4.0
16	12	2.67	4.1
22	16	2.75	4.3
20	14	2.86	4.4
18	12	3.00	4.7
22	14	3.14	4.9
20	12	3.33	5.2
24	14	3.43	5.3
14	8	3.50	5.4
22	12	3.67	5.7
24	12	4.00	6.2
18	8	4.50	7.0
20	8	5.00	7.8
22	8	5.50	8.6
24	8	6.00	9.3

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates

Black 1.25" full-rate meter wheels

**TEMIK 15G
RHONE-POULENC
1995 Formulation**

DRIVE SHAFT	Black 1.25"
RATE SPROCKET	Meter Wheel
2 RPM IN 88 FT	Meter Gates at 1/2

Black .625"
Meter Wheel
Meter Gates at 1/2
* See Rhone-Poulenc Special Calibration Guide. (following 2 pages)

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	2.3
8	32	0.50	2.5
8	30	0.53	2.7
8	24	0.67	3.3
8	22	0.73	3.6
8	20	0.80	4.0
8	18	0.89	4.4
12	24	1.00	5.0
12	22	1.09	5.4
8	14	1.14	5.7
12	20	1.20	6.0
14	22	1.27	6.3
12	18	1.33	6.6
14	20	1.40	7.0
16	22	1.45	7.2
12	16	1.50	7.5
14	18	1.56	7.7
16	20	1.60	8.0
18	22	1.64	8.2
12	14	1.71	8.5
14	16	1.75	8.7
18	20	1.80	9.0
16	16	2.00	10.0
22	20	2.20	11.0
18	16	2.25	11.2
14	12	2.33	11.6
24	20	2.40	12.0
22	18	2.44	12.2
20	16	2.50	12.5
18	14	2.57	12.8
16	12	2.67	13.3
22	16	2.75	13.7
20	14	2.86	14.2
18	12	3.00	14.9
22	14	3.14	15.7
20	12	3.33	16.6
24	14	3.43	17.1
14	8	3.50	17.4
22	12	3.67	18.3
24	12	4.00	19.9
18	8	4.50	22.4
20	8	5.00	24.9
22	8	5.50	27.4
24	8	6.00	29.9

TEMIK® BRAND 15G (GYPSUM) ALDICARB PESTICIDE CALIBRATION GUIDE

(Reprinted from information provided by Rhone-Poulenc Ag Company)

Approximate applicator settings for Temik® 15G Gypsum on POTATOES applied using Gandy PDM Applicator.

NOTE: This calibration chart is applicable only to Temik® 15G Gypsum which is formulated on a gypsum carrier. All rates are approximations and must be confirmed by using a calibration tube (See chart supplied with tube). Calibration tubes are available from your Temik® supplier.

- Identify a drive shaft on the potato planter that is convenient for installation of a DRIVER sprocket that will provide rotation for the PDM units. Helpful hint: Try to select a drive shaft with revolutions per 100 ft. (R) that is not affected by changes on potato seeding rate. This is not possible on hydraulic driven planters and may not be convenient on some ground driven planters. If drive shaft (R) changes with changes in seeding rate, RECALIBRATE YOUR PDM.
- Complete installation of PDM, clutch and drop tubes.
- Measure a 100 ft. calibration course in a potato field or other similar locations.
- CAREFULLY count the number of drive shaft revolutions (R) per 100 ft. while traveling over the 100 ft. course. The DRIVER sprocket is mounted directly onto or driven at the same rate as this drive shaft and will rotate the same number of revolutions per 100 ft. (R).
- **R = Number of Drive shaft revolutions per 100 ft. of travel.**
- Refer to TABLE 1. Select N, the number of revolutions of the PDM rotor per 100 ft. that will give the desired application rate and row spacing.
- **N = Number of metering wheel revolutions per 100 ft. of travel for desired application rate and row spacing.**

TABLE 1
Gandy PDM Applicator at .625 inch metering wheel width (one outlet per row)

Rate (lb./acre)	Row Space (inch)	Rate/Rev. (oz./rev)	N (revs./100 ft.)
14	34	0.21	6.9
14	36	0.21	7.3
20	34	0.21	9.9
20	36	0.21	10.5

NOTE: Only use Gandy PDM applicators that have bearing mounting side plates (2 per hopper) marked with the letter C2 when applying Temik® 15G to potatoes.

- Using the values determined for N and R, calculate the sprocket ratio required to adjust the applicator rotors revolution per 100 ft. required to deliver the desired application rate. TABLE 2 provides useful calibration information.
- **SPROCKET RATIO = $\frac{N}{R} = \frac{\text{Number of Metering wheel revolutions per 100 ft.}}{\text{Number of Drive shaft revolutions per 100 ft.}}$**

TABLE 2

Rate/Ac (lb./ac)	Row Space (inch)	Rate/100 ft. (oz./100 ft.)	Calibration tube levels (see tube instructions)
14	34	1.46	G-
14	36	1.54	H
20	34	2.09	J+
20	36	2.20	K

- Using sprocket ratio TABLE 3 (on following page) for Gandy PDM applicators, determine which driver and driven sprocket combination will result in the sprocket ratio number calculated above.
- Install sprockets and check calibration under field conditions to assure that the proper application rate is being applied. This can be accomplished using Temik® 15G calibration tubes that are available from your Temik® 15G supplier.
- Adjust sprocket ratio as necessary to get desired Temik® 15G application rate.
- Remember, if drive shaft (R) changes when adjusting potato seeding rate, RECALIBRATE YOUR PDM.
- Always verify calibrated rates against known acreage and make further adjustments accordingly.

TABLE 3
Gandy PDM Applicator Sprocket Ratio

Rate Increase		
Ratio	Driver	Driven
4.25	34	8
4.00	32	8
3.75	30	8
3.00	24	8
2.83	34	12
2.75	22	8
2.67	32	12
2.50	30	12
2.50	20	8
2.25	18	8
2.14	30	14
2.00	24	12
2.00	16	8
1.88	30	16
1.83	22	12
1.75	14	8
1.71	24	14
1.67	20	12
1.57	22	14
1.50	24	16
1.50	18	12
1.50	12	8
1.43	20	14
1.38	22	16
1.33	24	18
1.33	16	12
1.29	18	14
1.25	20	16
1.22	22	18
1.20	24	20
1.17	14	12
1.14	16	14
1.13	18	16
1.11	20	18
1.10	22	20
1.09	24	22
1.00	16	16

Rate Reduction		
Ratio	Driver	Driven
0.92	22	24
0.91	20	22
0.90	18	20
0.89	16	18
0.88	14	16
0.86	12	14
0.83	20	24
0.82	18	22
0.80	16	20
0.78	14	18
0.75	18	24
0.75	12	16
0.73	16	22
0.70	14	20
0.67	16	24
0.67	12	18
0.67	8	12
0.64	14	22
0.60	12	20
0.58	14	24
0.57	8	14
0.55	12	22
0.53	16	30
0.50	12	24
0.50	8	16
0.47	14	30
0.44	8	18
0.40	12	30
0.40	8	20
0.38	12	32
0.36	8	22
0.35	12	34
0.33	8	24
0.27	8	30
0.25	8	32
0.24	8	34
xx	xx	xx

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

**C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels**

**THIMET 15G AND 20G
AMERICAN CYANAMID**

DRIVE SHAFT	Black 1.25"
RATE SPROCKET	Meter Wheels
2 RPM IN 88 FT	Gate @ 1/2 open

# TEETH	DRIVEN SPROCKET # TEETH	RPM METER SHAFT	OUNCES PER 1000 FT
8	34	0.47	1.4
8	32	0.50	1.5
8	30	0.53	1.6
8	24	0.67	2.0
8	22	0.73	2.2
8	20	0.80	2.4
8	18	0.89	2.7
12	24	1.00	3.0
12	22	1.09	3.3
8	14	1.14	3.5
12	20	1.20	3.7
14	22	1.27	3.9
12	18	1.33	4.1
14	20	1.40	4.3
16	22	1.45	4.4
12	16	1.50	4.6
14	18	1.56	4.7
16	20	1.60	4.9
18	22	1.64	5.0
12	14	1.71	5.2
14	16	1.75	5.3
18	20	1.80	5.5
16	16	2.00	6.1
22	20	2.20	6.7
18	16	2.25	6.8
14	12	2.33	7.1
24	20	2.40	7.3
22	18	2.44	7.4
20	16	2.50	7.6
18	14	2.57	7.8
16	12	2.67	8.1
22	16	2.75	8.4
20	14	2.86	8.7
18	12	3.00	9.1
22	14	3.14	9.6
20	12	3.33	10.1
24	14	3.43	10.4
14	8	3.50	10.6
22	12	3.67	11.2
24	12	4.00	12.2
18	8	4.50	13.7
20	8	5.00	15.2
22	8	5.50	16.7
24	8	6.00	18.3

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

C2 Bearing holder sideplates Black .625" half-rate meter wheels

**THIMET 15G AND 20G
AMERICAN CYANAMID**

DRIVE SHAFT Black .625"
RATE SPROCKET Meter Wheels
2 RPM IN 88 FT Gate @ 1/2 open

# Teeth	Driven Sprocket # Teeth	RPM Meter Shaft	Ounces per 1000 FT
8	34	0.47	0.56
8	32	0.53	0.64
8	24	0.67	0.8
8	22	0.73	0.9
8	20	0.80	1.0
8	18	0.89	1.1
12	24	1.00	1.2
12	22	1.09	1.3
12	20	1.20	1.4
14	22	1.27	1.5
12	18	1.33	1.6
14	20	1.40	1.7
12	16	1.50	1.8
14	18	1.56	1.9
18	22	1.64	2.0
12	14	1.71	2.1
18	20	1.80	2.2
16	16	2.00	2.4
22	20	2.20	2.6
18	16	2.25	2.7
14	12	2.33	2.8
22	18	2.44	2.9
20	16	2.50	3.0
18	14	2.57	3.1
16	12	2.67	3.2
22	16	2.75	3.3
20	14	2.86	3.4
18	12	3.00	3.6
22	14	3.14	3.8
20	12	3.33	4.0
24	14	3.43	4.1
14	8	3.50	4.2
22	12	3.67	4.4
24	12	4.00	4.8
18	8	4.50	5.4
20	8	5.00	6.0
22	8	5.50	6.6
24	8	6.00	7.2
30	8	7.50	9.0
32	8	8.00	9.6
34	8	8.50	10.2

GANDY RATE CHART

Note: By using the GANDY PDM Ground Drive Package with the 50.5-inch circumference rubber drive wheel and using the 36-T outboard bearing sprocket #09094903-3, you will be at 2.0 RPM at the applicator input shaft. By using the GANDY PDM Ground Drive Package with the 18-T outboard bearing sprocket #09094903-6, you will be at 4.0 RPM at the applicator input shaft. With the 89-inch circumference 12" dia. traction tire, the 32T sprocket is used for 2 RPM, the 16T for 4 RPM in 88 feet.

**C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels**

32T Sprocket on 12V Motor

PDM Sprockets used at PDM at PDM		2	3	4	5	6	7	8	9	10	drive
meter shaft	shaft	Rate	In Ounces	Per 1000	Feet	Of	Row				
8	34	7.4	4.9	3.7	3.0	2.5	2.1	1.9	1.6	1.5	
8	32	7.9	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	
8	30	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	
8	24	10.5	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
8	22	11.4	7.6	5.7	4.6	3.8	3.3	2.9	2.5	2.3	
12	32	11.8	7.9	5.9	4.7	3.9	3.4	3.0	2.6	2.4	
8	20	12.6	8.4	6.3	5.0	4.2	3.6	3.1	2.8	2.5	
8	18	14.0	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8	
12	24	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
12	22	17.2	11.4	8.6	6.9	5.7	4.9	4.3	3.8	3.4	
12	20	18.9	12.6	9.4	7.6	6.3	5.4	4.7	4.2	3.8	
14	22	20.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0	
12	18	21.0	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	
14	20	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	
16	22	22.9	15.3	11.4	9.2	7.6	6.5	5.7	5.1	4.6	
12	16	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	
14	18	24.5	16.3	12.2	9.8	8.2	7.0	6.1	5.4	4.9	
18	22	25.8	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.2	
16	18	28.0	18.7	14.0	11.2	9.3	8.0	7.0	6.2	5.6	
18	20	28.3	18.9	14.2	11.3	9.4	8.1	7.1	6.3	5.7	
16	16	31.5	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	
20	18	35.0	23.3	17.5	14.0	11.7	10.0	8.7	7.8	7.0	
18	16	35.4	23.6	17.7	14.2	11.8	10.1	8.9	7.9	7.1	
22	18	38.5	25.6	19.2	15.4	12.8	11.0	9.6	8.5	7.7	
20	16	39.3	26.2	19.7	15.7	13.1	11.2	9.8	8.7	7.9	
18	14	40.5	27.0	20.2	16.2	13.5	11.6	10.1	9.0	8.1	
16	12	42.0	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	
22	16	43.3	28.9	21.6	17.3	14.4	12.4	10.8	9.6	8.7	
20	14	45.0	30.0	22.5	18.0	15.0	12.8	11.2	10.0	9.0	
18	12	47.2	31.5	23.6	18.9	15.7	13.5	11.8	10.5	9.4	
22	14	49.5	33.0	24.7	19.8	16.5	14.1	12.4	11.0	9.9	
20	12	52.5	35.0	26.2	21.0	17.5	15.0	13.1	11.7	10.5	
24	14	54.0	36.0	27.0	21.6	18.0	15.4	13.5	12.0	10.8	
22	12	57.7	38.5	28.9	23.1	19.2	16.5	14.4	12.8	11.5	
24	12	63.0	42.0	31.5	25.2	21.0	18.0	15.7	14.0	12.6	
18	8	70.8	47.2	35.4	28.3	23.6	20.2	17.7	15.7	14.2	
20	8	78.7	52.5	39.3	31.5	26.2	22.5	19.7	17.5	15.7	
22	8	86.6	57.7	43.3	34.6	28.9	24.7	21.6	19.2	17.3	
24	8	94.4	63.0	47.2	37.8	31.5	27.0	23.6	21.0	18.9	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

COUNTER 15G
AMERICAN CYANAMID

C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM		Speed In Miles Per Hour									
meter shaft	at PDM shaft	2	3	4	5	6	7	8	9	10	drive
		Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	34	6.6	4.4	3.3	2.6	2.2	1.9	1.6	1.5	1.3	
8	32	7.0	4.7	3.5	2.8	2.3	2.0	1.7	1.6	1.4	
8	30	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	
8	24	9.3	6.2	4.7	3.7	3.1	2.7	2.3	2.1	1.9	
8	22	10.2	6.8	5.1	4.1	3.4	2.9	2.5	2.3	2.0	
12	32	10.5	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
8	20	11.2	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
8	18	12.4	8.3	6.2	5.0	4.1	3.5	3.1	2.8	2.5	
12	24	14.0	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8	
12	22	15.2	10.2	7.6	6.1	5.1	4.4	3.8	3.4	3.0	
12	20	16.7	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.3	
14	22	17.8	11.8	8.9	7.1	5.9	5.1	4.4	3.9	3.6	
12	18	18.6	12.4	9.3	7.4	6.2	5.3	4.7	4.1	3.7	
14	20	19.5	13.0	9.8	7.8	6.5	5.6	4.9	4.3	3.9	
16	22	20.3	13.5	10.2	8.1	6.8	5.8	5.1	4.5	4.1	
12	16	20.9	14.0	10.5	8.4	7.0	6.9	5.2	4.7	4.2	
14	18	21.7	14.5	10.9	8.7	7.2	6.2	5.4	4.8	4.3	
18	22	22.8	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	
16	18	24.8	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0	
18	20	25.1	16.7	12.6	10.0	8.4	7.2	6.3	5.6	5.0	
16	16	27.9	18.6	14.0	11.2	9.3	8.0	7.0	6.2	5.6	
20	18	31.0	20.7	15.5	12.4	10.3	8.9	7.8	6.9	6.2	
18	16	31.4	20.9	15.7	12.6	10.5	9.0	7.9	7.0	6.3	
22	18	34.1	22.7	17.1	13.6	11.4	9.7	8.5	7.6	6.8	
20	16	34.9	23.3	17.4	14.0	11.6	10.0	8.7	7.8	7.0	
18	14	35.9	23.9	17.9	14.4	12.0	10.3	9.0	8.0	7.2	
16	12	37.2	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
22	16	38.4	25.6	19.2	15.4	12.8	11.0	9.6	8.5	7.7	
20	14	39.9	26.6	19.9	16.0	13.3	11.4	10.0	8.9	8.0	
18	12	41.9	27.9	20.9	16.7	14.0	12.0	10.5	9.3	8.4	
22	14	43.9	29.2	21.9	17.5	14.6	12.5	11.0	9.7	8.8	
20	12	46.5	31.0	23.3	18.6	15.5	13.3	11.6	10.3	9.3	
24	14	47.9	31.9	23.9	19.1	16.0	13.7	12.0	10.6	9.6	
22	12	51.2	34.1	25.6	20.5	17.1	14.6	12.8	11.4	10.2	
24	12	55.8	37.2	27.9	22.3	18.6	16.0	14.0	12.4	11.2	
18	8	62.8	41.9	31.4	25.1	20.9	17.9	15.7	14.0	12.6	
20	8	69.8	46.5	34.9	27.9	23.3	19.9	17.4	15.5	14.0	
22	8	76.8	51.2	38.4	30.7	25.6	21.9	19.2	17.1	15.4	
24	8	83.7	55.8	41.9	33.5	27.9	23.9	20.9	18.6	16.7	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

**COUNTER 15G
AMERICAN CYANAMID**

**C2 Bearing holder sideplates
Black .625" half-rate meter wheels**

36T Sprocket on 12V Motor

PDM Sprockets used at PDM meter shaft		Speed In Miles Per Hour									
at PDM meter shaft	at PDM shaft	2	3	4	5	6	7	8	9	10	drive
		Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	34	3.1	2.1	1.5	1.2	1.0	0.9	0.8	0.7	0.6	
8	32	3.3	2.2	1.6	1.3	1.1	0.9	0.8	0.7	0.7	
8	30	3.5	2.3	1.7	1.4	1.2	1.0	0.9	0.8	0.7	
8	24	4.4	2.9	2.2	1.7	1.5	1.2	1.1	1.0	0.9	
8	22	4.8	3.2	2.4	1.9	1.6	1.4	1.2	1.1	1.0	
12	32	4.9	3.3	2.5	2.0	1.6	1.4	1.2	1.1	1.0	
8	20	5.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0	
8	18	5.8	3.9	2.9	2.3	1.9	1.7	1.5	1.3	1.2	
12	24	6.5	4.4	3.3	2.6	2.2	1.9	1.6	1.5	1.3	
12	22	7.1	4.8	3.6	2.9	2.4	2.0	1.8	1.6	1.4	
12	20	7.9	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	
14	22	8.3	5.6	4.2	3.3	2.8	2.4	2.1	1.9	1.7	
12	18	8.7	5.8	4.4	3.5	2.9	2.5	2.2	1.9	1.7	
14	20	9.2	6.1	4.6	3.7	3.1	2.6	2.3	2.0	1.8	
16	22	9.5	6.3	4.8	3.8	3.2	2.7	2.4	2.1	1.9	
12	16	9.8	6.5	4.9	3.9	3.3	2.8	2.5	2.2	2.0	
14	18	10.2	6.8	5.1	4.1	3.4	2.9	2.5	2.3	2.0	
18	22	10.7	7.1	5.4	4.3	3.6	3.1	2.7	2.4	2.1	
16	18	11.6	7.8	5.8	4.7	3.9	3.3	2.9	2.6	2.3	
18	20	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	
16	16	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	
20	18	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	
18	16	14.7	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	
22	18	16.0	10.7	8.0	6.4	5.3	4.6	4.0	3.6	3.2	
20	16	16.4	10.9	8.2	6.5	5.5	4.7	4.1	3.6	3.3	
18	14	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	
16	12	17.5	11.6	8.7	7.0	5.8	5.0	4.4	3.9	3.5	
22	16	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	
20	14	18.7	12.5	9.3	7.5	6.2	5.3	4.7	4.2	3.7	
18	12	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	
22	14	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	
20	12	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	
24	14	22.4	15.0	11.2	9.0	7.5	6.4	5.6	5.0	4.5	
22	12	24.0	16.0	12.0	9.6	8.0	6.9	6.0	5.3	4.8	
24	12	26.2	17.5	13.1	10.5	8.7	7.5	6.5	5.8	5.2	
18	8	29.5	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	
20	8	32.7	21.8	16.4	13.1	10.9	9.3	8.2	7.3	6.5	
22	8	36.0	24.0	18.0	14.4	12.0	10.3	9.0	8.0	7.2	
24	8	39.3	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

**COUNTER CR
AMERICAN CYANAMID**

**C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels**

36T Sprocket on 12V Motor

PDM Sprockets used		Speed In Miles Per Hour									
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
meter shaft	shaft	Rate	In Ounces	Per 1000	Feet	Of Row					
8	34	10.3	6.9	5.2	4.1	3.4	2.9	2.6	2.3	2.1	
8	32	11.0	7.3	5.5	4.4	3.7	3.1	2.7	2.4	2.2	
8	30	11.7	7.8	5.9	4.7	3.9	3.3	2.9	2.6	2.3	
8	24	14.6	9.8	7.3	5.9	4.9	4.2	3.7	3.3	2.9	
8	22	16.0	10.6	8.0	6.4	5.3	4.6	4.0	3.5	3.2	
12	32	16.5	11.0	8.2	6.6	5.5	4.7	4.1	3.7	3.3	
8	20	17.6	11.7	8.8	7.0	5.9	5.0	4.4	3.9	3.5	
8	18	19.5	13.0	9.8	7.8	6.5	5.6	4.9	4.3	3.9	
12	24	21.9	14.6	11.0	8.8	7.3	6.3	5.5	4.9	4.4	
12	22	23.9	16.0	12.0	9.6	8.0	6.8	6.0	5.3	4.8	
12	20	26.3	17.6	13.2	10.5	8.8	7.5	6.6	5.9	5.3	
14	22	27.9	18.6	14.0	11.2	9.3	8.0	7.0	6.2	5.6	
12	18	29.3	19.5	14.6	11.7	9.8	8.4	7.3	6.5	5.9	
14	20	30.7	20.5	15.4	12.3	10.2	8.8	7.7	6.8	6.1	
16	22	31.9	21.3	16.0	12.8	10.6	9.1	8.0	7.1	6.4	
12	16	32.9	21.9	16.5	13.2	11.0	9.4	8.2	7.3	6.6	
14	18	34.1	22.8	17.1	13.7	11.4	9.8	8.5	7.6	6.8	
18	22	35.9	23.9	18.0	14.4	12.0	10.3	9.0	8.0	7.2	
16	18	39.0	26.0	19.5	15.6	13.0	11.1	9.8	8.7	7.8	
18	20	39.5	26.3	19.7	15.8	13.2	11.3	9.9	8.8	7.9	
16	16	43.9	29.3	21.9	17.6	14.6	12.5	11.0	9.8	8.8	
20	18	48.8	32.5	24.4	19.5	16.3	13.9	12.2	10.8	9.8	
18	16	49.4	32.9	24.7	19.7	16.5	14.1	12.3	11.0	9.9	
22	18	53.6	35.8	26.8	21.5	17.9	15.3	13.4	11.9	10.7	
20	16	54.8	36.6	27.4	21.9	18.3	15.7	13.7	12.2	11.0	
18	14	56.4	37.6	28.2	22.6	18.8	16.1	14.1	12.5	11.3	
16	12	58.5	39.0	29.3	23.4	19.5	16.7	14.6	13.0	11.7	
22	16	60.3	40.2	30.2	24.1	20.1	17.2	15.1	13.4	12.1	
20	14	62.7	41.8	31.3	25.1	20.9	17.9	15.7	13.9	12.5	
18	12	65.8	43.9	32.9	26.3	21.9	18.8	16.5	14.6	13.2	
22	14	69.0	46.0	34.5	27.6	23.0	19.7	17.2	15.3	13.8	
20	12	73.1	48.8	36.6	29.3	24.4	20.9	18.3	16.3	14.6	
24	14	75.2	50.1	37.6	30.1	25.1	21.5	18.8	16.7	15.0	
22	12	80.4	53.6	40.2	32.2	26.8	23.0	20.1	17.9	16.1	
24	12	87.8	58.5	43.9	35.1	29.3	25.1	21.9	19.5	17.6	
18	8	98.7	65.8	49.4	39.5	32.9	28.2	24.7	21.9	19.7	
20	8	109.7	73.1	54.8	43.9	36.6	31.3	27.4	24.4	21.9	
22	8	120.7	80.4	60.3	48.3	40.2	34.5	30.2	26.8	24.1	
24	8	131.6	87.8	65.8	52.7	43.9	37.6	32.9	29.3	26.3	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

LORSBAN 15G
DOWELANCO

C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM meter shaft		Speed In Miles Per Hour									
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
shaft	shaft	Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	24	10.2	6.8	5.1	4.1	3.4	2.9	2.6	2.3	2.0	
8	22	11.9	8.0	6.0	4.8	4.0	3.4	3.0	2.7	2.4	
8	20	13.1	8.8	6.6	5.3	4.4	3.8	3.3	2.9	2.6	
8	18	14.6	9.7	7.3	5.8	4.9	4.2	3.6	3.2	2.9	
12	24	16.4	10.9	8.2	6.6	5.5	4.7	4.1	3.6	3.3	
12	22	17.9	11.9	9.0	7.2	6.0	5.1	4.5	4.0	3.6	
12	20	19.7	13.1	9.8	7.9	6.6	5.6	4.9	4.4	3.9	
14	22	20.9	13.9	10.4	8.4	7.0	6.0	5.2	4.6	4.2	
12	18	21.9	14.6	10.9	8.8	7.3	6.3	5.5	4.9	4.4	
14	20	23.0	15.3	11.5	9.2	7.7	6.6	5.7	5.1	4.6	
16	22	23.9	15.9	11.9	9.5	8.0	6.8	6.0	5.3	4.8	
12	16	24.6	16.4	12.3	9.8	8.2	7.0	6.2	5.5	4.9	
14	18	25.5	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	
18	22	26.9	17.9	13.4	10.7	9.0	7.7	6.7	6.0	5.4	
16	18	29.2	19.4	14.6	11.7	9.7	8.3	7.3	6.5	5.8	
18	20	29.5	19.7	14.8	11.8	9.8	8.4	7.4	6.6	5.9	
16	16	30.6	20.4	15.3	12.2	10.2	8.7	7.7	6.8	6.1	
20	18	36.5	24.3	18.2	14.6	12.2	10.4	9.1	8.1	7.3	
18	16	36.9	24.6	18.5	14.8	12.3	10.5	9.2	8.2	7.4	
22	18	40.1	26.7	20.1	16.0	13.4	11.5	10.0	8.9	8.0	
20	16	41.0	27.3	20.5	16.4	13.7	11.7	10.3	9.1	8.2	
18	14	42.2	28.1	21.1	16.9	14.1	12.1	10.5	9.4	8.4	
16	12	43.8	29.2	21.9	17.5	14.6	12.5	10.9	9.7	8.8	
22	16	45.1	30.1	22.6	18.0	15.0	12.9	11.3	10.0	9.0	
20	14	46.9	31.3	23.4	18.8	15.6	13.4	11.7	10.4	9.4	
18	12	49.2	32.8	24.6	19.7	16.4	14.1	12.3	10.9	9.8	
22	14	51.6	34.4	25.8	20.6	17.2	14.7	12.9	11.5	10.3	
20	12	54.7	36.5	27.3	21.9	18.2	15.6	13.7	12.2	10.9	
24	14	56.3	37.5	28.1	22.5	18.8	16.1	14.1	12.5	11.3	
22	12	60.2	40.1	30.1	24.1	20.1	17.2	15.0	13.4	12.0	
24	12	65.6	43.8	32.8	26.3	21.9	18.8	16.4	14.6	13.1	
18	8	73.8	49.2	36.9	29.5	24.6	21.1	18.5	16.4	14.8	
20	8	82.0	54.7	41.0	32.8	27.3	23.4	20.5	18.2	16.4	
22	8	90.2	60.2	45.1	36.1	30.1	25.8	22.6	20.1	18.0	
24	8	98.5	65.6	49.2	39.4	32.8	28.1	24.6	21.9	19.7	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

**LORSBAN 15G
DOWELANCO**

**C2 Bearing holder sideplates
Black .625" half-rate meter wheels**

36T Sprocket on 12V Motor

PDM Sprockets used		Speed In Miles Per Hour									
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
meter shaft	shaft	Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	34	3.0	2.0	1.5	1.2	1.0	0.9	0.8	0.7	0.6	
8	32	3.2	2.2	1.6	1.3	1.1	0.9	0.8	0.7	0.6	
8	30	3.4	2.3	1.7	1.4	1.1	1.0	0.9	0.8	0.7	
8	24	4.3	2.9	2.2	1.7	1.4	1.2	1.1	1.0	0.9	
8	22	4.7	3.1	2.3	1.9	1.6	1.3	1.2	1.0	0.9	
12	32	4.8	3.2	2.4	1.9	1.6	1.4	1.2	1.1	1.0	
8	20	5.2	3.4	2.6	2.1	1.7	1.5	1.3	1.1	1.0	
8	18	5.7	3.8	2.9	2.3	1.9	1.6	1.4	1.3	1.1	
12	24	6.5	4.3	3.2	2.6	2.2	1.8	1.6	1.4	1.3	
12	22	7.0	4.7	3.5	2.8	2.3	2.0	1.8	1.6	1.4	
12	20	7.7	5.2	3.9	3.1	2.6	2.2	1.9	1.7	1.5	
14	22	8.2	5.5	4.1	3.3	2.7	2.3	2.1	1.8	1.6	
12	18	8.6	5.7	4.3	3.4	2.9	2.5	2.2	1.9	1.7	
14	20	9.0	6.0	4.5	3.6	3.0	2.6	2.3	2.0	1.8	
16	22	9.4	6.3	4.7	3.8	3.1	2.7	2.3	2.1	1.9	
12	16	9.7	6.5	4.8	3.9	3.2	2.8	2.4	2.2	1.9	
14	18	10.0	6.7	5.0	4.0	3.3	2.9	2.5	2.2	2.0	
18	22	10.6	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	
16	18	11.5	7.6	5.7	4.6	3.8	3.3	2.9	2.5	2.3	
18	20	11.6	7.7	5.8	4.6	3.9	3.3	2.9	2.6	2.3	
16	16	12.9	8.6	6.5	5.2	4.3	3.7	3.2	2.9	2.6	
20	18	14.3	9.6	7.2	5.7	4.8	4.1	3.6	3.2	2.9	
18	16	14.5	9.7	7.3	5.8	4.8	4.1	3.6	3.2	2.9	
22	18	15.8	10.5	7.9	6.3	5.3	4.5	3.9	3.5	3.2	
20	16	16.1	10.8	8.1	6.5	5.4	4.6	4.0	3.6	3.2	
18	14	16.6	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3	
16	12	17.2	11.5	8.6	6.9	5.7	4.9	4.3	3.8	3.4	
22	16	17.7	11.8	8.9	7.1	5.9	5.1	4.4	3.9	3.5	
20	14	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	
18	12	19.4	12.9	9.7	7.7	6.5	5.5	4.8	4.3	3.9	
22	14	20.3	13.5	10.1	8.1	6.8	5.8	5.1	4.5	4.1	
20	12	21.5	14.3	10.8	8.6	7.2	6.1	5.4	4.8	4.3	
24	14	22.1	14.7	11.1	8.8	7.4	6.3	5.5	4.9	4.4	
22	12	23.7	15.8	11.8	9.5	7.9	6.8	5.9	5.3	4.7	
24	12	25.8	17.2	12.9	10.3	8.6	7.4	6.5	5.7	5.2	
18	8	29.0	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	
20	8	32.3	21.5	16.1	12.9	10.8	9.2	8.1	7.2	6.5	
22	8	35.5	23.7	17.7	14.2	11.8	10.1	8.9	7.9	7.1	
24	8	38.7	25.8	19.4	15.5	12.9	11.1	9.7	8.6	7.7	

GANDY RATE CHART

Note: The 32-T sprocket #09071589-16, is used in the existing 12-Volt motor package #09075589 and may be ordered separately. At the PDM drive shaft the 32-T sprocket provides 21 rpm, the rpm at which these charts are run.

**MOCAP 15G
RHONE-POULENC**

**C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels**

32T Sprocket on 12V Motor

PDM Sprockets used at PDM at PDM		Speed In Miles Per Hour									
meter shaft	shaft	2	3	4	5	6	7	8	9	10	drive
		Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	24	12.3	8.2	6.2	4.9	4.1	3.5	3.1	2.7	2.5	
8	22	13.4	9.0	6.7	5.4	4.5	3.8	3.4	3.0	2.7	
8	20	14.8	9.8	7.4	5.9	4.9	4.2	3.7	3.3	3.0	
8	18	16.4	10.9	8.2	6.6	5.5	4.7	4.1	3.6	3.3	
12	24	18.5	12.3	9.2	7.4	6.2	5.3	4.6	4.1	3.7	
12	22	20.1	13.4	10.1	8.1	6.7	5.8	5.0	4.5	4.0	
12	20	22.2	14.8	11.1	8.9	7.4	6.3	5.5	4.9	4.4	
14	22	23.5	15.7	11.7	9.4	7.8	6.7	5.9	5.2	4.7	
12	18	24.6	16.4	12.3	9.8	8.2	7.0	6.2	5.5	4.9	
14	20	25.8	17.2	12.9	10.3	8.6	7.4	6.5	5.7	5.2	
16	22	26.9	17.9	13.4	10.7	9.0	7.7	6.7	6.0	5.4	
12	16	27.7	18.5	13.8	11.1	9.2	7.9	6.9	6.2	5.5	
14	18	28.7	19.1	14.4	11.5	9.6	8.2	7.2	6.4	5.7	
18	22	30.2	20.1	15.1	12.1	10.1	8.6	7.6	6.7	6.0	
16	18	32.8	21.9	16.4	13.1	10.9	9.4	8.2	7.3	6.6	
18	20	33.2	22.2	16.6	13.3	11.1	9.5	8.3	7.4	6.6	
16	16	36.9	24.6	18.5	14.8	12.3	10.5	9.2	8.2	7.4	
20	18	41.0	27.3	20.5	16.4	13.7	11.7	10.3	9.1	8.2	
18	16	41.5	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3	
22	18	45.1	30.1	22.6	18.0	15.0	12.9	11.3	10.0	9.0	
20	16	46.1	30.8	23.1	18.5	15.4	13.2	11.5	10.3	9.2	
18	14	47.5	31.6	23.7	19.0	15.8	13.6	11.9	10.5	9.5	
16	12	49.2	32.8	24.6	19.7	16.4	14.1	12.3	10.9	9.8	
22	16	50.8	33.8	25.4	20.3	16.9	14.5	12.7	11.3	10.2	
20	14	52.7	35.2	26.4	21.1	17.6	15.1	13.2	11.7	10.5	
18	12	55.4	36.9	27.7	22.2	18.5	15.8	13.8	12.3	11.1	
22	14	58.0	38.7	29.0	23.2	19.3	16.6	14.5	12.9	11.6	
20	12	61.5	41.0	30.8	24.6	20.5	17.6	15.4	13.7	12.3	
24	14	63.3	42.2	31.6	25.3	21.1	18.1	15.8	14.1	12.7	
22	12	67.7	45.1	33.8	27.1	22.6	19.3	16.9	15.0	13.5	
24	12	73.8	49.2	36.9	29.5	24.6	21.1	18.5	16.4	14.8	
18	8	83.1	55.4	41.5	33.2	27.7	23.7	20.8	18.5	16.6	
20	8	92.3	61.5	46.1	36.9	30.8	26.4	23.1	20.5	18.5	
22	8	101.5	67.7	50.8	40.6	33.8	29.0	25.4	22.6	20.3	
24	8	110.8	73.8	55.4	44.3	36.9	31.6	27.7	24.6	22.2	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

MOCAP 15G
RHONE-POULENC

C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM		Speed In Miles Per Hour									
meter shaft	at PDM shaft	2	3	4	5	6	7	8	9	10	drive
		Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	24	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	
8	22	11.9	8.0	6.0	4.8	4.0	3.4	3.0	2.7	2.4	
8	20	13.1	8.8	6.6	5.3	4.4	3.8	3.3	2.9	2.6	
8	18	14.6	9.7	7.3	5.8	4.9	4.2	3.6	3.2	2.9	
12	24	16.4	10.9	8.2	6.6	5.5	4.7	4.1	3.6	3.3	
12	22	17.9	11.9	9.0	7.2	6.0	5.1	4.5	4.0	3.6	
12	20	19.7	13.1	9.8	7.9	6.6	5.6	4.9	4.4	3.9	
14	22	20.9	13.9	10.4	8.4	7.0	6.0	5.2	4.6	4.2	
12	18	21.9	14.6	10.9	8.8	7.3	6.3	5.5	4.9	4.4	
14	20	23.0	15.3	11.5	9.2	7.7	6.6	5.7	5.1	4.6	
16	22	23.9	15.9	11.9	9.5	8.0	6.8	6.0	5.3	4.8	
12	16	24.6	16.4	12.3	9.8	8.2	7.0	6.2	5.5	4.9	
14	18	25.5	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	
18	22	26.9	17.9	13.4	10.7	9.0	7.7	6.7	6.0	5.4	
16	18	29.2	19.4	14.6	11.7	9.7	8.3	7.3	6.5	5.8	
18	20	29.5	19.7	14.8	11.8	9.8	8.4	7.4	6.6	5.9	
16	16	32.8	21.9	16.4	13.1	10.9	9.4	8.2	7.3	6.6	
20	18	36.5	24.3	18.2	14.6	12.2	10.4	9.1	8.1	7.3	
18	16	36.9	24.6	18.5	14.8	12.3	10.5	9.2	8.2	7.4	
22	18	40.1	26.7	20.1	16.0	13.4	11.5	10.0	8.9	8.0	
20	16	41.0	27.3	20.5	16.4	13.7	11.7	10.3	9.1	8.2	
18	14	42.2	28.1	21.1	16.9	14.1	12.1	10.5	9.4	8.4	
16	12	43.8	29.2	21.9	17.5	14.6	12.5	10.9	9.7	8.8	
22	16	45.1	30.1	22.6	18.0	15.0	12.9	11.3	10.0	9.0	
20	14	46.9	31.3	23.4	18.8	15.6	13.4	11.7	10.4	9.4	
18	12	49.2	32.8	24.6	19.7	16.4	14.1	12.3	10.9	9.8	
22	14	51.6	34.4	25.8	20.6	17.2	14.7	12.9	11.5	10.3	
20	12	54.7	36.5	27.3	21.9	18.2	15.6	13.7	12.2	10.9	
24	14	56.3	37.5	28.1	22.5	18.8	16.1	14.1	12.5	11.3	
22	12	60.2	40.1	30.1	24.1	20.1	17.2	15.0	13.4	12.0	
24	12	65.6	43.8	32.8	26.3	21.9	18.8	16.4	14.6	13.1	
18	8	73.8	49.2	36.9	29.5	24.6	21.1	18.5	16.4	14.8	
20	8	82.0	54.7	41.0	32.8	27.3	23.4	20.5	18.2	16.4	
22	8	90.2	60.2	45.1	36.1	30.1	25.8	22.6	20.1	18.0	
24	8	98.5	65.6	49.2	39.4	32.8	28.1	24.6	21.9	19.7	

GANDY RATE CHART

Note: The 32-T sprocket #09071589-16, is used in the existing 12-Volt motor package #09075589 and may be ordered separately. At the PDM drive shaft the 32-T sprocket provides 21 rpm, the rpm at which these charts are run.

TEMIK 15G

(Gypsum Granule)

RHONE-POULENC

C2 Bearing holder sideplates

Black 1.25" full-rate meter wheels

32T Sprocket on 12V Motor

PDM Sprockets used		Speed In Miles Per Hour									
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
meter shaft	shaft	Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	34	12.1	8.1	6.1	4.9	4.0	3.5	3.0	2.7	2.4	
8	32	12.9	8.6	6.4	5.2	4.3	3.7	3.2	2.9	2.6	
8	30	13.7	9.2	6.9	5.5	4.6	3.9	3.4	3.1	2.7	
8	24	17.2	11.5	8.6	6.9	5.7	4.9	4.3	3.8	3.4	
8	22	18.7	12.5	9.4	7.5	6.2	5.4	4.7	4.2	3.7	
12	32	19.3	12.9	9.7	7.7	6.4	5.5	4.8	4.3	3.9	
8	20	20.6	13.7	10.3	8.2	6.9	5.9	5.2	4.6	4.1	
8	18	22.9	15.3	11.5	9.2	7.6	6.5	5.7	5.1	4.6	
12	24	25.8	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.2	
12	22	28.1	18.7	14.1	11.2	9.4	8.0	7.0	6.2	5.6	
12	20	30.9	20.6	15.5	12.4	10.3	8.8	7.7	6.9	6.2	
14	22	32.8	21.9	16.4	13.1	10.9	9.4	8.2	7.3	6.6	
12	18	34.4	22.9	17.2	13.7	11.5	9.8	8.6	7.6	6.9	
14	20	36.1	24.1	18.0	14.4	12.0	10.3	9.0	8.0	7.2	
16	22	37.5	25.0	18.7	15.0	12.5	10.7	9.4	8.3	7.5	
12	16	38.7	25.8	19.3	15.5	12.9	11.0	9.7	8.6	7.7	
14	18	40.1	26.7	20.1	16.0	13.4	11.5	10.0	8.9	8.0	
18	22	42.2	28.1	21.1	16.9	14.1	12.1	10.5	9.4	8.4	
16	18	45.8	30.6	22.9	18.3	15.3	13.1	11.5	10.2	9.2	
18	20	46.4	30.9	23.2	18.6	15.5	13.3	11.6	10.3	9.3	
16	16	51.6	34.4	25.8	20.6	17.2	14.7	12.9	11.5	10.3	
20	18	57.3	38.2	28.6	22.9	19.1	16.4	14.3	12.7	11.5	
18	16	58.0	38.7	29.0	23.2	19.3	16.6	14.5	12.9	11.6	
22	18	63.0	42.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6	
20	16	64.5	43.0	32.2	25.8	21.5	18.4	16.1	14.3	12.9	
18	14	66.3	44.2	33.1	26.5	22.1	18.9	16.6	14.7	13.3	
16	12	68.7	45.8	34.4	27.5	22.9	19.6	17.2	15.3	13.7	
22	16	70.9	47.3	35.4	28.4	23.6	20.3	17.7	15.8	14.2	
20	14	73.7	49.1	36.8	29.5	24.6	21.0	18.4	16.4	14.7	
18	12	77.3	51.6	38.7	30.9	25.8	22.1	19.3	17.2	15.5	
22	14	81.0	54.0	40.5	32.4	27.0	23.2	20.3	18.0	16.2	
20	12	85.9	57.3	43.0	34.4	28.6	24.6	21.5	19.1	17.2	
24	14	88.4	58.9	44.2	35.4	29.5	25.3	22.1	19.6	17.7	
22	12	94.5	63.0	47.3	37.8	31.5	27.0	23.6	21.0	18.9	
24	12	103.1	68.7	51.6	41.2	34.4	29.5	25.8	22.9	20.6	
18	8	116.0	77.3	58.0	46.4	38.7	33.1	29.0	25.8	23.2	
20	8	128.9	85.9	64.5	51.6	43.0	36.8	32.2	28.6	25.8	
22	8	141.8	94.5	70.9	56.7	47.3	40.5	35.4	31.5	28.4	
24	8	154.7	103.1	77.3	61.9	51.6	44.2	38.7	34.4	30.9	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

TEMIK 15G
(Gypsum Granule)
RHONE-POULENC

C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM		Speed In Miles Per Hour									
meter shaft	at PDM shaft	2	3	4	5	6	7	8	9	10	drive
Rate	In	Ounces	Per	1000	Feet	Of	Row				
8	34	10.8	7.2	5.4	4.3	3.6	3.1	2.7	2.4	2.2	
8	32	11.4	7.6	5.7	4.6	3.8	3.3	2.9	2.5	2.3	
8	30	12.2	8.1	6.1	4.9	4.1	3.5	3.0	2.7	2.4	
8	24	15.2	10.2	7.6	6.1	5.1	4.4	3.8	3.4	3.0	
8	22	16.6	11.1	8.3	6.7	5.5	4.8	4.2	3.7	3.3	
12	32	17.1	11.4	8.6	6.9	5.7	4.9	4.3	3.8	3.4	
8	20	18.3	12.2	9.1	7.3	6.1	5.2	4.6	4.1	3.7	
8	18	20.3	13.5	10.2	8.1	6.8	5.8	5.1	4.5	4.1	
12	24	22.9	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	
12	22	24.9	16.6	12.5	10.0	8.3	7.1	6.2	5.5	5.0	
12	20	27.4	18.3	13.7	11.0	9.1	7.8	6.9	6.1	5.5	
14	22	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	
12	18	30.5	20.3	15.2	12.2	10.2	8.7	7.6	6.8	6.1	
14	20	32.0	21.3	16.0	12.8	10.7	9.1	8.0	7.1	6.4	
16	22	33.3	22.2	16.6	13.3	11.1	9.5	8.3	7.4	6.7	
12	16	34.3	22.9	17.1	13.7	11.4	9.8	8.6	7.6	6.9	
14	18	35.6	23.7	17.8	14.2	11.9	10.2	8.9	7.9	7.1	
18	22	37.4	24.9	18.7	15.0	12.5	10.7	9.4	8.3	7.5	
16	18	40.6	27.1	20.3	16.3	13.5	11.6	10.2	9.0	8.1	
18	20	41.2	27.4	20.6	16.5	13.7	11.8	10.3	9.1	8.2	
16	16	45.7	30.5	22.9	18.3	15.2	13.1	11.4	10.2	9.1	
20	18	50.8	33.9	25.4	20.3	16.9	14.5	12.7	11.3	10.2	
18	16	51.4	34.3	25.7	20.6	17.1	14.7	12.9	11.4	10.3	
22	18	55.9	37.3	27.9	22.4	18.6	16.0	14.0	12.4	11.2	
20	16	57.2	38.1	28.6	22.9	19.1	16.3	14.3	12.7	11.4	
18	14	58.8	39.2	29.4	23.5	19.6	16.8	14.7	13.1	11.8	
16	12	61.0	40.6	30.5	24.4	20.3	17.4	15.2	13.5	12.2	
22	16	62.9	41.9	31.4	25.1	21.0	18.0	15.7	14.0	12.6	
20	14	65.3	43.5	32.7	26.1	21.8	18.7	16.3	14.5	13.1	
18	12	68.6	45.7	34.3	27.4	22.9	19.6	17.1	15.2	13.7	
22	14	71.9	47.9	35.9	28.7	24.0	20.5	18.0	16.0	14.4	
20	12	76.2	50.8	38.1	30.5	25.4	21.8	19.1	16.9	15.2	
24	14	78.4	52.3	39.2	31.4	26.1	22.4	19.6	17.4	15.7	
22	12	83.8	55.9	41.9	33.5	27.9	24.0	21.0	18.6	16.8	
24	12	91.4	61.0	45.7	36.6	30.5	26.1	22.9	20.3	18.3	
18	8	102.9	68.6	51.4	41.2	34.3	29.4	25.7	22.9	20.6	
20	8	114.3	76.2	57.2	45.7	38.1	32.7	28.6	25.4	22.9	
22	8	125.7	83.8	62.9	50.3	41.9	35.9	31.4	27.9	25.1	
24	8	137.2	91.4	68.6	54.9	45.7	39.2	34.3	30.5	27.4	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

TEMIK 15G AND 20G
 (Calcined Clay Granule)
RHONE-POULENC

C2 Bearing holder sideplates
Black 1.25" full-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM meter shaft		Rate	Speed In Miles Per Hour								
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
shaft	shaft	In Ounces	Per 1000	Feet	Of	Row					
8	34	6.6	4.4	3.3	2.6	2.2	1.9	1.6	1.5	1.3	
8	32	7.0	4.7	3.5	2.8	2.3	2.0	1.7	1.6	1.4	
8	30	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	
8	24	9.3	6.2	4.7	3.7	3.1	2.7	2.3	2.1	1.9	
8	22	10.2	6.8	5.1	4.1	3.4	2.9	2.5	2.3	2.0	
12	32	10.5	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
8	20	11.2	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
8	18	12.4	8.3	6.2	5.0	4.1	3.5	3.1	2.8	2.5	
12	24	14.0	9.3	7.0	5.6	4.7	4.0	3.5	3.1	2.8	
12	22	15.2	10.2	7.6	6.1	5.1	4.4	3.8	3.4	3.0	
12	20	16.7	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.3	
14	22	17.8	11.8	8.9	7.1	5.9	5.1	4.4	3.9	3.6	
12	18	18.6	12.4	9.3	7.4	6.2	5.3	4.7	4.1	3.7	
14	20	19.5	13.0	9.8	7.8	6.5	5.6	4.9	4.3	3.9	
16	22	20.3	13.5	10.2	8.1	6.8	5.8	5.1	4.5	4.1	
12	16	20.9	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	
14	18	21.7	14.5	10.9	8.7	7.2	6.2	5.4	4.8	4.3	
18	22	22.8	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	
16	18	24.8	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0	
18	20	25.1	16.7	12.6	10.0	8.4	7.2	6.3	5.6	5.0	
16	16	27.9	18.6	14.0	11.2	9.3	8.0	7.0	6.2	5.6	
20	18	31.0	20.7	15.5	12.4	10.3	8.9	7.8	6.9	6.2	
18	16	31.4	20.9	15.7	12.6	10.5	9.0	7.9	7.0	6.3	
22	18	34.1	22.7	17.1	13.6	11.4	9.7	8.5	7.6	6.8	
20	16	34.9	23.3	17.4	14.0	11.6	10.0	8.7	7.8	7.0	
18	14	35.9	23.9	17.9	14.4	12.0	10.3	9.0	8.0	7.2	
16	12	37.2	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
22	16	38.4	25.6	19.2	15.4	12.8	11.0	9.6	8.5	7.7	
20	14	39.9	26.6	19.9	16.0	13.3	11.4	10.0	8.9	8.0	
18	12	41.9	27.9	20.9	16.7	14.0	12.0	10.5	9.3	8.4	
22	14	43.9	29.2	21.9	17.5	14.6	12.5	11.0	9.7	8.8	
20	12	46.5	31.0	23.3	18.6	15.5	13.3	11.6	10.3	9.3	
24	14	47.9	31.9	23.9	19.1	16.0	13.7	12.0	10.6	9.6	
22	12	51.2	34.1	25.6	20.5	17.1	14.6	12.8	11.4	10.2	
24	12	55.8	37.2	27.9	22.3	18.6	16.0	14.0	12.4	11.2	
18	8	62.8	41.9	31.4	25.1	20.9	17.9	15.7	14.0	12.6	
20	8	69.8	46.5	34.9	27.9	23.3	19.9	17.4	15.5	14.0	
22	8	76.8	51.2	38.4	30.7	25.6	21.9	19.2	17.1	15.4	
24	8	83.7	55.8	41.9	33.5	27.9	23.9	20.9	18.6	16.7	

GANDY RATE CHART

Note: If you have a 12-V motor package #09075589 the 32T sprocket #09071589-16 must be changed to 36T sprocket #09094589-36, to obtain the 18.4 rpm on the PDM drive shaft the rpm at which these charts are run.

TEMIK 15G AND 20G

(Calcined Clay Granule)

AMERICAN CYANAMID

C2 Bearing holder sideplates

Black .625" half-rate meter wheels

36T Sprocket on 12V Motor

PDM Sprockets used at PDM meter shaft		Speed In Miles Per Hour									
at PDM shaft	at PDM shaft	2	3	4	5	6	7	8	9	10	drive
		Rate	In	Ounces	Per	1000	Feet	Of	Row		
8	34	3.1	2.1	1.5	1.2	1.0	0.9	0.8	0.7	0.9	0.9
8	32	3.3	2.2	1.6	1.3	1.1	0.9	0.8	0.7	0.7	0.7
8	30	3.5	2.3	1.7	1.4	1.2	1.0	0.9	0.8	0.8	0.7
8	24	4.4	2.9	2.2	1.7	1.5	1.2	1.1	1.0	0.9	0.9
8	22	4.8	3.2	2.4	1.9	1.6	1.4	1.2	1.1	1.0	1.0
12	32	4.9	3.3	2.5	2.0	1.6	1.4	1.2	1.1	1.0	1.0
8	20	5.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0	1.0
8	18	5.8	3.9	2.9	2.3	1.9	1.7	1.5	1.3	1.2	1.2
12	24	6.5	4.4	3.3	2.6	2.2	1.9	1.6	1.5	1.3	1.3
12	22	7.1	4.8	3.6	2.9	2.4	2.0	1.8	1.6	1.4	1.4
12	20	7.9	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	1.6
14	22	8.3	5.6	4.2	3.3	2.8	2.4	2.1	1.9	1.7	1.7
12	18	8.7	5.8	4.4	3.5	2.9	2.5	2.2	1.9	1.7	1.7
14	20	9.2	6.1	4.6	3.7	3.1	2.6	2.3	2.0	1.8	1.8
16	22	9.5	6.3	4.8	3.8	3.2	2.7	2.4	2.1	1.9	1.9
12	16	9.8	6.5	4.9	3.9	3.3	2.8	2.5	2.2	2.0	2.0
14	18	10.2	6.8	5.1	4.1	3.4	2.9	2.5	2.3	2.0	2.0
18	22	10.7	7.1	5.4	4.3	3.6	3.1	2.7	2.4	2.1	2.1
16	18	11.6	7.8	5.8	4.7	3.9	3.3	2.9	2.6	2.3	2.3
18	20	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	2.4
16	16	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.6
20	18	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.9
18	16	14.7	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	2.9
22	18	16.0	10.7	8.0	6.4	5.3	4.6	4.0	3.6	3.2	3.2
20	16	16.4	10.9	8.2	6.5	5.5	4.7	4.1	3.6	3.3	3.3
18	14	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.4
16	12	17.5	11.6	8.7	7.0	5.8	5.0	4.4	3.9	3.5	3.5
22	16	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.6
20	14	18.7	12.5	9.3	7.5	6.2	5.3	4.7	4.2	3.7	3.7
18	12	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.9
22	14	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	4.1
20	12	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.4
24	14	22.4	15.0	11.2	9.0	7.5	6.4	5.6	5.0	4.5	4.5
22	12	24.0	16.0	12.0	9.6	8.0	6.9	6.0	5.3	4.8	4.8
24	12	26.2	17.5	13.1	10.5	8.7	7.5	6.5	5.8	5.2	5.2
18	8	29.5	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.9
20	8	32.7	21.8	16.4	13.1	10.9	9.3	8.2	7.3	6.5	6.5
22	8	36.0	24.0	18.0	14.4	12.0	10.3	9.0	8.0	7.2	7.2
24	8	39.3	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.9

GANDY RATE CHART

Note: The 32-T sprocket #09071589-16, is used in the existing 12-Volt motor package #09075589 and may be ordered separately. At the PDM drive shaft the 32-T sprocket provides 21 rpm, the rpm at which these charts are run.

THIMET 15G

(Calcined Clay Granule)

AMVAC CHEMICAL CORP.

C2 Bearing holder sideplates

Black 1.25" full-rate meter wheels

32T Sprocket on 12V Motor

PDM Sprockets used		Speed In Miles Per Hour									
at PDM	at PDM	2	3	4	5	6	7	8	9	10	drive
meter shaft	shaft	Rate	In Ounces	Per 1000	Feet	Of	Row				
8	34	7.4	4.9	3.7	3.0	2.5	2.1	1.9	1.6	1.5	
8	32	7.9	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	
8	30	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	
8	24	10.5	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
8	22	11.4	7.6	5.7	4.6	3.8	3.3	2.9	2.5	2.3	
12	32	11.8	7.9	5.9	4.7	3.9	3.4	3.0	2.6	2.4	
8	20	12.6	8.4	6.3	5.0	4.2	3.6	3.1	2.8	2.5	
8	18	14.0	9.8	7.0	5.6	4.7	4.0	3.5	3.1	2.8	
12	24	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
12	22	17.2	11.4	8.6	6.9	5.7	4.9	4.3	3.8	3.4	
12	20	18.9	12.8	9.4	7.6	6.3	5.4	4.7	4.2	3.8	
14	22	20.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0	
12	18	21.0	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	
14	20	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	
16	22	22.9	15.3	11.4	9.2	7.6	6.5	5.7	5.1	4.6	
12	16	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	
14	18	24.5	16.3	12.2	9.8	8.2	7.0	6.1	5.4	4.9	
18	22	25.8	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.2	
16	18	28.0	18.7	14.0	11.2	9.3	8.0	7.0	6.2	5.6	
18	20	28.3	18.9	14.2	11.3	9.4	8.1	7.1	6.3	5.7	
16	16	31.5	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	
20	18	35.0	23.3	17.5	14.0	11.7	10.0	8.7	7.8	7.0	
18	16	35.4	23.6	17.7	14.2	11.8	10.1	8.9	7.9	7.1	
22	18	38.5	25.6	19.2	15.4	12.8	11.0	9.6	8.5	7.7	
20	16	39.3	26.2	19.7	15.7	13.1	11.2	9.8	8.7	7.9	
18	14	40.5	27.0	20.2	16.2	13.5	11.6	10.1	9.0	8.1	
16	12	42.0	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	
22	16	43.3	28.9	21.6	17.3	14.4	12.4	10.8	9.6	8.7	
20	14	45.0	30.0	22.5	18.0	15.0	12.8	11.2	10.0	9.0	
18	12	47.2	31.5	23.6	18.9	15.7	13.5	11.8	10.5	9.4	
22	14	49.5	33.0	24.7	19.8	16.5	14.1	12.4	11.0	9.9	
20	12	52.5	35.0	26.2	21.0	17.5	15.0	13.1	11.7	10.5	
24	14	54.0	36.0	27.0	21.6	18.0	15.4	13.5	12.0	10.8	
22	12	57.7	38.5	28.9	23.1	19.2	16.5	14.4	12.8	11.5	
24	12	63.0	42.0	31.5	25.2	21.0	18.0	15.7	14.0	12.6	
18	8	70.8	47.2	35.4	28.3	23.6	20.2	17.7	15.7	14.2	
20	8	78.7	52.5	39.3	31.5	26.2	22.5	19.7	17.5	15.7	
22	8	86.6	57.7	43.3	34.6	28.9	24.7	21.6	19.2	17.3	
24	8	94.4	63.0	47.2	37.8	31.5	27.0	23.6	21.0	18.9	

**Rate Guidelines for Multi-Purpose Applicator
For Models P45PDMS & 09PDMS (1, 2, 3 or 4 Outlets)**



Input of drive for this chart is 4 revolutions in 88 feet, or 4 rpm. Other drive inputs will yield different results. Variables such as density, humidity, voltage, and formulation will affect rates, so always calibrate the material before application.

If ground driven, this positive displacement hopper is speed compensating for changes in field speed. If electric motor drive is used, operator must maintain uniform field speed to achieve rate per acre.

Sprocket Combination (09099930 pkg w/chain guard)		Red Wheel (F) Output (1 outlet at spacing indicated)		Yellow Wheel (V) Output (1 outlet at spacing indicated)	
Driver Sprocket	Driven Sprocket	Spacing 24"	Spacing 27"	Spacing 24"	Spacing 27"
8	34 (Low Range)	18 lb/A	16 lb/A	32 lb/A	28 lb/A
16	16 (Medium)	77 lb/A	68lb/A	135 lb/A	119lb/A
34	8 (High)	300 lb/A	265 lb/A	534 lb/A	470 lb/A

The drive input of 4 revolutions in 88 feet (the distance traveled in 1 minute) is achieved with the Gandy ground drive using 18T outboard bearing sprocket, or 12-volt 1/64 hp motor with 32T sprocket. The 1/32 hp motor turns at a 20% higher speed.

A complete installation of a poly stainless hopper consists of:

- 1) One or more hoppers, 2.3 cu ft capacity each; selected with from one to four outlets, U-frame included for bolting to upright mounting.
- 2) Rate setting sprocket cluster (09099930).
[Package has 12 sprockets; chart shows only low, middle and high combinations]
One set can govern multiple hoppers mounted in line with sprocket placed on central hopper.
- 3) Drive
 - a) Ground drive (09094903 with 8" tire, or 0905916 with 12"
 - b) Electric motor (09099934 1/64 hp motor can drive 2 hoppers)
(1/32 hp motor can be substituted for higher input rpm and to drive 3 hoppers)
- 4) Connectors for multiple hoppers in line are available in 40" & 80" packages (09074321 & 089074323)
- 5) 1-1/2" tubing
 - a) Ordered to length in foot increments (M06-1500-010)
 - b) or User supplied
- 6) Hose clamps
 - a) Order for number of outlets (M11-0024-000)
 - b) or User supplied
- 7) Mounting
 - a) Gandy mounting (see standard Ag Catalog or website www.gandy.net for available options)
 - b) or User supplied

Poly Stainless Multi-Purpose Hopper – P45PDMS & 09PDMS

Rate Charts & Calibration Procedures

IMPORTANT: Rate charts are derived from factory calibrations made with the currently available products. 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 this product, metering wheels, and row spacing. For a variety of fertilizers and other products not available, follow the below procedure.

1. For ground-driven units, set up test course using two stakes placed 436 feet apart (or fraction thereof). For electric motor-driven units, use a watch to determine time of travel, noting the below chart that shows distance traveled in one minute at the various field speeds.

1 mph	2 mph	3 mph	4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph
88	176	264	652	440	528	616	704	792	880

2. Read the label and cautionary statements of the material you are using. Determine the rate you need to apply in pounds per acre (lb/A) or oz. per 1,000 ft. of row.
3. Select a sprocket combination to use on the drive and driven (metering shaft) on the applicator for an estimated output. See the guideline sheet. Note the sprocket ratio for a mathematical estimate.
4. Place a plastic bag around two or more outlets.
5. Travel the 436-foot course at normal speed or run the motor for selected minute(s).
6. Weigh the total contents of the bags in pounds.
7. Divide weight collected in pounds by width of coverage in sq. feet and multiply by 100 to get pounds per broadcast acre.
8. Change either of the drive/driven sprockets, if needed, noting the guidelines to determine whether an increase or decrease in ratio is in order, and repeat steps 4 through 8.
Example: Collecting from 2 outlets with 24" spacing and traveling 436 feet, you collect 8 pounds.
 $(8 \text{ lb} \div 872 \text{ sq. ft. (@ 24" spacing)}) = .009 \times 100 = 1 \text{ lb/acre}$
9. For electric motor calibrations, run the motor for the length of time it takes to travel 436 feet or other fraction of an acre.

Conversion For Metric Rates (kg/hectare)

1. Determine ground speed in miles per hour.

2 miles per hour	=	3.2 kilometers per hour
3 miles per hour	=	4.8 kilometers per hour
4 miles per hour	=	6.4 kilometers per hour
5 miles per hour	=	8.0 kilometers per hour
6 miles per hour	=	9.7 kilometers per hour
7 miles per hour	=	11.3 kilometers per hour
8 miles per hour	=	12.9 kilometers per hour
9 miles per hour	=	14.5 kilometers per hour
10 miles per hour	=	16.1 kilometers per hour

2. Determine rate in pounds per acre.

Multiply your rate in kilograms per hectare by 0.89 to obtain rate in pounds per acre. Use this number when following the instructions on the front cover.

Legal Equivalents adopted by Act of Congress, July 28, 1866

Length

1 Centimeter	=	0.3937 inches
1 Meter	=	39.37 inches = 3.28 feet
1 Kilometer	=	0.621 statute miles
1 Inch	=	2.540 centimeters
1 Foot	=	30.48 centimeters
1 Yard	=	0.914 meters
1 Rod (16.5 ft)	=	5.029 meters
1 Statute mile (5280 ft)	=	1.61 kilometers

Area

1 Hectare (10,000 sq m)	=	2.471 Acres
1 Acre	=	0.405

Weight

1 Gram	=	0.035 ounces
1 Kilogram	=	2.205 pounds
1 Ounce	=	28.35 grams
1 Pound	=	0.4536 kilograms

Weight per Area

1 Pound per Acre	=	1.120 kilograms per hectare
1 Kilogram per Hectare	=	0.892 pounds per acre
1 Ounce per 1000 ft	=	9.30 grams per 100 meter

Weight per Area with speed change

1 Ounce per 1000 ft @ 1 mph = 14.88g/100 meters @ 1 kph