

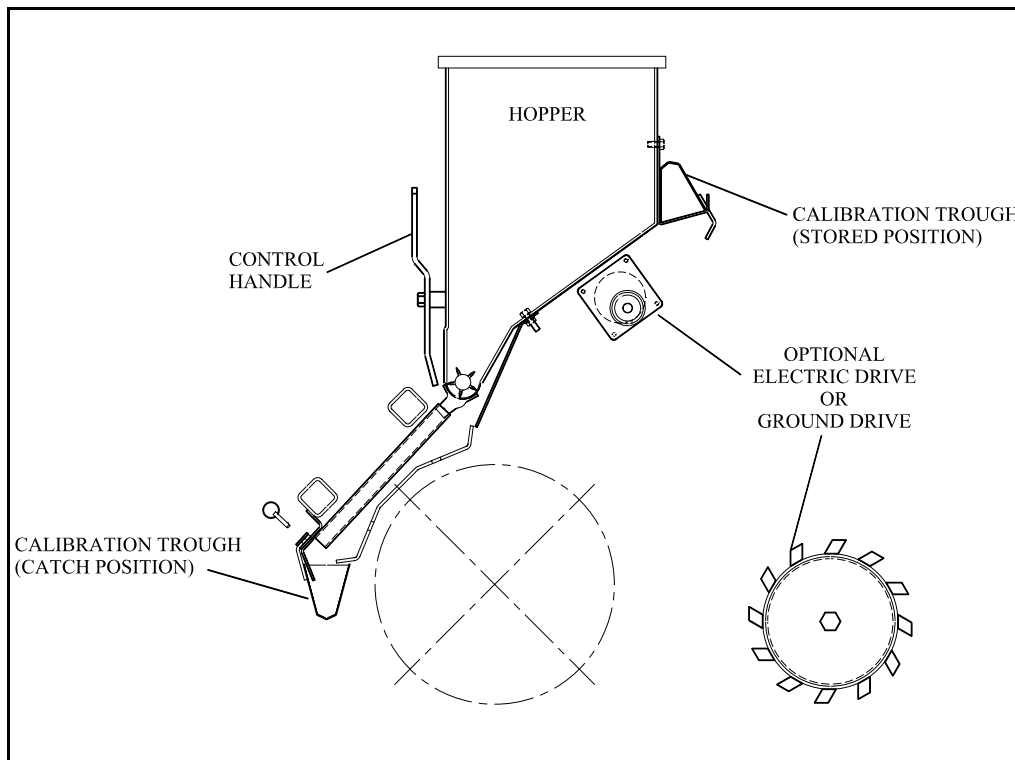
CALIBRATION INFORMATION

FOR

SEEDA-vator MODEL SE60

EQUIPPED WITH GANDY MODEL 401A-5FP SEEDER
GROUND OR ELECTRIC DRIVEN
6.7 CU FT. CAPACITY

(ALSO REFER TO SE-60 OPERATOR'S MANUAL AND PARTS LIST)



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CALIBRATION

IT IS THE RESPONSIBILITY OF THE OPERATOR TO ENSURE THAT EACH BATCH OF SEED IS PROPERLY CALIBRATED IN THE SEEDER PRIOR TO APPLICATION. FAILURE TO DO SO MAY RESULT IN INADEQUATE OR EXCESSIVE SEED RATES. AFTER PROPER CALIBRATION, IN ADDITION TO USING CONSISTENT SEED, THE CHOSEN GAUGE SETTING AND GROUND SPEED MUST BE MAINTAINED TO OBTAIN THE CALIBRATED RATE.

THE SEEDING RATE CHARTS PROVIDED ARE TO SERVE ONLY AS INITIAL SETTING GUIDES.

CALIBRATION GUIDE

I. GENERAL OBSERVATIONS

Each product flows differently requiring calibration for each product. Variations in formulations, seed size, humidity, temperature and age of product may affect application rates.

The applicator depends on gravity flow of the product particles through precisely adjusted openings at each tube spout. The ground or electric driven rotor assures a constant flow when turning and interrupts the flow when it stops, allowing only the particles in the rotor segment exposed to the openings to flow out.

To close the hopper bottom openings, rotate the shut off lever counter-clockwise until the slide stop contacts the hopper stop. To open the hopper bottom openings, rotate the lever clockwise until the slide gauge cam contacts the hopper stop. The opening increases as the cam is rotated from 0 to 80.

II. CALIBRATION PROCEDURE

- A. Establish the desired application rate based on lbs. per 1000 sq. ft. (Divide lbs. per acre by 43.6 to convert to lbs. per 1000 sq. ft. or refer to conversion chart).

CONVERSION CHART	
Lbs/1000 sq.ft - to - Lbs/acre	
PER 1000 sq.ft ↓	P O U N D S →
Tenths of a Pound ↓	0 1 2 3 4 5 6 7 8 9 10
0	44 87 131 174 218 261 305 348 392 436
0.1	4 48 91 135 179 222 266 309 353 396 440
0.2	9 52 96 139 183 227 270 314 357 401 444
0.3	13 57 100 144 187 231 274 318 362 405 449
0.4	17 61 105 148 192 235 279 322 366 409 453
0.5	22 65 109 152 196 240 283 327 370 414 457
0.6	26 70 113 157 200 244 287 331 375 418 462
0.7	30 74 118 161 205 248 292 335 379 423 466
0.8	35 78 122 166 209 253 296 340 383 427 470
0.9	39 83 126 170 213 257 301 344 388 431 475
	Lbs/Acre

- B. After considering the site to be seeded (shape, soil texture, slope, obstacles, etc.), set your tractor ground speed (MPH). Select a gear setting that will provide the desired MPH and maintain a PTO speed between 500 and 600 RPM or as required for the degree of tillage desired. The ground speed can be verified by determining the time required to travel a distance of 200 ft. per the following speed/time chart:

Speed MPH	Time Required per 200'	Speed MPH	Time Required per 200'	Speed MPH	Time Required per 200'
		2 ½	55 sec	4 ½	30 sec
1	2 min 16 sec	3	45 sec	5	27 sec
1 ½	1 min 31 sec	3 ½	39 sec	5 ½	25 sec
2	1 min 8 sec	4	34 sec	6	23 sec

- C. Fix the preliminary cam gauge setting for your selected seed using Seed Rate Chart (pg. 5) or your best judgement for seeds not shown.

- D. Collect and weigh the seeder output for 1000 sq. ft.

1. On ground drive seeders:

- a. Place seed in hopper with control lever closed and turn roller enough to cause seeder rotor to rotate at least 2 revolutions.
- b. Measure off a 200-Ft. course and position unit on the ground at start point.
- c. Place the empty calibration trough in catch position.
- d. Open the control lever and quickly start the unit along the course maintaining the set ground speed.
- e. Stop the unit at the 200-Ft. mark and quickly close the control lever. Note: for greater accuracy, the time required between opening the control lever and starting the unit should equal the time required between stopping the unit and closing the control lever.
- f. Weigh the collected seed and compare to the desired rate per 1000 sq. ft.
- g. Adjust the cam gauge and repeat the procedure as required.

2. On electric drive seeders:

- a. Place seed in hopper with control lever closed.
- b. Place empty calibration trough in catch position.
- c. Start motor
- d. After waiting 15 to 20 seconds, open the control lever for the time required to travel 200 ft. that corresponds with the set speed (see speed/time chart).
- e. Close the control lever after it has been open the exact time required.
- f. Weigh the collected seed and compare to the desired rate per 1000 sq. ft.
- g. Adjust the cam gauge and repeat the procedure as required.

