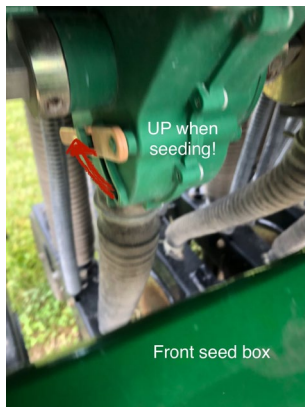
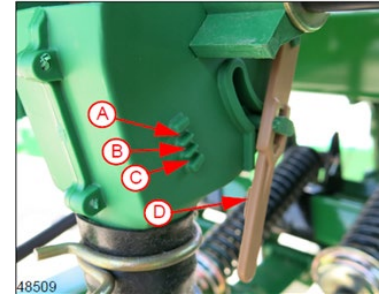


**SEED/GRAINS:** Your seed will go in the **FRONT box** closest to your tractor. 12 bushel max capacity

**DO NOT FILL SEED BOXES UNTIL YOU ARE IN THE FIELD!**  
**DO NOT TRANSPORT WITH SEED IN THE BOXES!**

- Make sure all seed cup doors are in the recommended position for your seed size **BEFORE** putting seed in; **if cups are open in D position seed will run through the box as you are filling it.**

- A-** Wheat other small grains
- B-** Soybeans other larger grains
- C-** Fragile seeds, or if seeds are cracking in B position.
- D-** Clean out, will drain all seed



**Tan lever must be in position A, B, or C (UP) WHEN SEEDING**

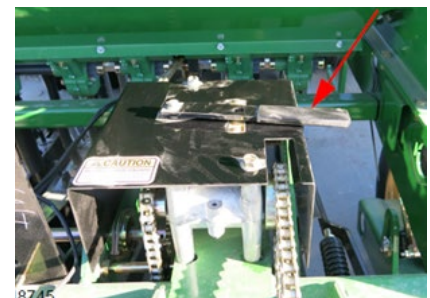
**Position D (down) is only for clean out and will leave seed cup wide open!**



- See page 5 of the seed rate charts for instructions on how to calibrate seeding rate for your specific seed if you choose, otherwise you can **use the provided charts for approximate seeding rates.** *The charts for front seed box are ORANGE pages in the manual that comes with the drill.*
- Locate your seed type on pages 8-16 and determine approximately how many pounds per acre you wish to drill. Pounds per acre are the numbers in the charts. *You should calibrate each time! Factors that affect seeding rates are: weight of seed, size of seed, relative humidity and moisture content of seed, ratio of inert material to seed, different proportions of seed types affecting density, tire configuration, tire pressure, and tire slippage. The charts in the manual are based on factory tires at recommended inflation.*
- Move gearbox selector handle to Drive Type 1, 2, 3 or 4 and the seed rate handle on the front right from 0-100; to match the pounds per acre setting you have chosen off the chart. Do NOT adjust the seed rate handle on the back of the drill.



**Gear Box Selector Handle**



- Hook drill to tractor, attach hydraulic hoses, and raise drill to remove both transport locks. Make sure hydraulic connections are set on LOW FLOW and the drill is GENTLY lowered. High Flow and/or excessive force lowering drill will cause damage to the hydraulic valve and depth stop.
- In field conditions, lower the drill into soil, pull forward to put openers in ground to desired depth. Shut off tractor, loosen the nut and bolt that secure the stop weldment to the cylinder (on the left cylinder

only) Slide the weldment up the cylinder until it contacts the valve actuator, then slide it another 1/8" and tighten bolts. (See figures 11 & 12 on page 18 of the operator's manual)



- The red piece in photo is safety lock for transporting drill; there is one on each side of the drill. Remove before seeding.
- The stop weldment that is on the left cylinder is raised and lowered (by GENTLY loosening/tightening bolt) to adjust the cut depth of the coulters.
- The weldment **must be near the middle of the cylinder, and pointing up, as shown in photo while in use and before attempting to replace the safety locks.** The safety lock will not go on if the stop weldment is not between the two pins of the safety lock.
- If you are having trouble with the depth control (ie: stop weldment is sliding down the cylinder) you are using too much force lowering the drill! Make sure hydraulic connections are set on LOW FLOW and the drill is GENTLY lowered. High Flow and/or excessive force lowering drill will cause damage to the hydraulic valve and depth stop.

- See page 38 of the operator's manual for information on setting press wheels for seed depth. **T handles should be closer to implement for shallower seeding and further away from implement for deeper seeding.** Each increment adjusts depth by approx. 1/8th of an inch. Depth range is from 0 to 3 1/2 inches



- Add your seed to the **FRONT box**. Engage the left wheel and begin drilling.
- When you are finished- disengage the left wheel, and record the acreage meter reading. Complete the steps under "Before Returning Drill" on back of the rental agreement.



Seed type: \_\_\_\_\_ APPROX Pounds per acre: \_\_\_\_\_

Drive type: \_\_\_\_\_ Seed Rate Handle # \_\_\_\_\_

If seeding fescue at rate higher than 8 pounds per acre you will use FRONT BOX (under 8 pounds use small back box)



*\*Orange  
pages*

## Rate Charts, Main Seed Box

Charts in U.S. customary units.

Main charts begin on page 32.

### Alfalfa (*Medicago sativa*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|----|----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 60 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.6 | 6.7 | 9.1 | 12 | 15 | 18 | 21   | 25  | 28  | 32  | 36  | 39  | 43  | 47  | 50  | 54  | 57  | 61  | 64  | 66  |  |
|        | Drive Type: 2            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 9.5 | 14  | 19  | 24 | 30 | 37 | 44   | 51  | 58  | 66  | 73  | 81  | 89  | 96  | 104 | 111 | 118 | 125 | 131 | 136 |  |
|        | Drive Type: 3            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 15  | 22  | 29  | 37 | 46 | 55 | 65   | 75  | 86  | 97  | 108 | 119 | 130 | 141 | 151 | 162 | 171 | 180 | 189 | 196 |  |
|        | Drive Type: 4            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 25  | 35  | 47  | 60 | 75 | 90 | 106  | 123 | 140 | 158 | 176 | 194 | 212 | 230 | 247 | 264 | 279 | 294 | 308 | 320 |  |

32291C

### Bahia Grass (*Paspalum notatum*)

|        | Seed Rate Handle Setting |     |     |     |     |     |    |  |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|-----|-----|----|--|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30 | 35   | 40 | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre (based on 40 pounds/bushel) |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 2.2 | 3.1 | 4.5 | 6.3 | 8.5 | 11 | 14   | 17 | 20  | 23  | 27  | 30  | 33  | 37  | 40  | 43  | 46  | 48  | 50  | 52  |  |
|        | Drive Type: 2            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.4 | 6.4 | 9.3 | 13  | 18  | 23 | 28   | 35 | 41  | 48  | 55  | 62  | 69  | 76  | 82  | 88  | 94  | 99  | 104 | 107 |  |
|        | Drive Type: 3            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 6.6 | 10  | 14  | 20  | 26  | 34 | 43   | 52 | 62  | 72  | 82  | 93  | 103 | 113 | 123 | 132 | 141 | 149 | 156 | 161 |  |
|        | Drive Type: 4            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 11  | 16  | 23  | 32  | 43  | 56 | 70   | 85 | 101 | 117 | 134 | 151 | 168 | 185 | 201 | 216 | 230 | 243 | 254 | 263 |  |

32292C

### Barley (*Hordeum vulgare*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|----|----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 51 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.7 | 6.3 | 8.4 | 11 | 14 | 17 | 20   | 24  | 27  | 31  | 35  | 39  | 42  | 45  | 49  | 51  | 54  | 56  | 57  | 58  |  |
|        | Drive Type: 2            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 10  | 13  | 17  | 22 | 28 | 35 | 42   | 49  | 56  | 64  | 72  | 79  | 86  | 93  | 100 | 105 | 110 | 115 | 118 | 120 |  |
|        | Drive Type: 3            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 14  | 19  | 26  | 34 | 43 | 52 | 62   | 72  | 83  | 94  | 105 | 116 | 126 | 137 | 147 | 156 | 165 | 173 | 180 | 186 |  |
|        | Drive Type: 4            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 22  | 32  | 43  | 56 | 70 | 85 | 101  | 118 | 135 | 153 | 171 | 189 | 206 | 223 | 239 | 255 | 269 | 282 | 293 | 303 |  |

32293C

## Rate Charts, Main Seed Box, continued...

Buckwheat (*Fagopyrum esculentum*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |    |     |     |  |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|----|----|----|----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35 | 40  | 45  | 50   | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |    |    |    |    |     |     | Seed Rate in Pounds Per Acre (based on 48 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 3.9 | 5.7 | 7.9 | 10 | 13 | 16 | 20 | 23  | 27  | 30   | 34  | 37  | 41  | 44  | 47  | 50  | 52  | 54  | 55  | 57  |  |
|        | Drive Type: 2            |     |     |     |    |    |    |    |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 8.0 | 12  | 16  | 22 | 27 | 34 | 41 | 48  | 55  | 62   | 70  | 77  | 84  | 90  | 96  | 102 | 107 | 111 | 114 | 116 |  |
|        | Drive Type: 3            |     |     |     |    |    |    |    |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 15  | 18  | 24  | 31 | 39 | 49 | 60 | 72  | 85  | 97   | 110 | 123 | 136 | 148 | 159 | 170 | 179 | 187 | 192 | 197 |  |
|        | Drive Type: 4            |     |     |     |    |    |    |    |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 24  | 30  | 39  | 50 | 64 | 80 | 98 | 118 | 138 | 159  | 180 | 201 | 222 | 241 | 260 | 277 | 292 | 304 | 314 | 320 |  |

32295

32295C

Buffalograss (*Buchloe dactyloides*)

|        | Seed Rate Handle Setting |     |     |     |     |     |     |     |     |    |  |    |    |    |    |    |    |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|--|----|----|----|----|----|----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45 | 50   | 55 | 60 | 65 | 70 | 75 | 80 | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |     |     |     |    | Seed Rate in Pounds Per Acre (based on 23 pounds/bushel) |    |    |    |    |    |    |     |     |     |     |  |
| 7.5 in | 0                        | 1.2 | 1.9 | 2.9 | 4.0 | 5.3 | 6.6 | 8.0 | 9.4 | 11 | 12   | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 20  | 20  | 20  |  |
|        | Drive Type: 2            |     |     |     |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |     |     |     |     |  |
| 7.5 in | 0                        | 2.4 | 4.0 | 6.0 | 8.3 | 11  | 14  | 16  | 19  | 22 | 25   | 28 | 31 | 33 | 36 | 38 | 39 | 40  | 41  | 41  | 41  |  |
|        | Drive Type: 3            |     |     |     |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |     |     |     |     |  |
| 7.5 in | 0                        | 4.4 | 6.4 | 8.9 | 12  | 16  | 20  | 24  | 28  | 33 | 37   | 42 | 46 | 50 | 54 | 57 | 60 | 62  | 63  | 63  | 63  |  |
|        | Drive Type: 4            |     |     |     |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |     |     |     |     |  |
| 7.5 in | 0                        | 7.2 | 10  | 15  | 20  | 26  | 32  | 39  | 46  | 54 | 61   | 68 | 75 | 82 | 88 | 93 | 97 | 101 | 103 | 103 | 103 |  |

32296

32296C

Bermuda Grass (*Cynodon dactylon*)

|        | Seed Rate Handle Setting |     |     |     |     |     |    |                              |    |    |    |     |     |     |     |     |     |     |     |     |                             |  |  |  |  |  |  |  |  |  |
|--------|--------------------------|-----|-----|-----|-----|-----|----|------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------|--|--|--|--|--|--|--|--|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30 | 35                           | 40 | 45 | 50 | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100                         |  |  |  |  |  |  |  |  |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre |    |    |    |     |     |     |     |     |     |     |     |     | (based on 60 pounds/bushel) |  |  |  |  |  |  |  |  |  |
| 7.5 in | 0                        | 1.8 | 3.5 | 5.3 | 7.2 | 9.1 | 11 | 13                           | 15 | 17 | 19 | 21  | 23  | 25  | 27  | 29  | 31  | 33  | 35  | 36  | 38                          |  |  |  |  |  |  |  |  |  |
|        | Drive Type: 2            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre |    |    |    |     |     |     |     |     |     |     |     |     |                             |  |  |  |  |  |  |  |  |  |
| 7.5 in | 0                        | 3.6 | 7.2 | 11  | 15  | 19  | 23 | 27                           | 31 | 35 | 39 | 43  | 47  | 51  | 55  | 59  | 63  | 67  | 71  | 75  | 78                          |  |  |  |  |  |  |  |  |  |
|        | Drive Type: 3            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre |    |    |    |     |     |     |     |     |     |     |     |     |                             |  |  |  |  |  |  |  |  |  |
| 7.5 in | 0                        | 5.7 | 11  | 17  | 22  | 28  | 34 | 40                           | 46 | 52 | 58 | 64  | 70  | 76  | 81  | 87  | 92  | 97  | 102 | 107 | 112                         |  |  |  |  |  |  |  |  |  |
|        | Drive Type: 4            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre |    |    |    |     |     |     |     |     |     |     |     |     |                             |  |  |  |  |  |  |  |  |  |
| 7.5 in | 0                        | 9.3 | 18  | 27  | 36  | 46  | 55 | 65                           | 75 | 85 | 94 | 104 | 114 | 123 | 132 | 141 | 150 | 159 | 167 | 175 | 182                         |  |  |  |  |  |  |  |  |  |

322940

32294C

FRONT

## Rate Charts, Main Seed Box, continued...

### K-31 Fescue (*Festuca*) \*

|        | Seed Rate Handle Setting |     |     |     |     |     |     |                              |    |    |    |    |    |    |    |    |     |     |     |     |     |  |                             |  |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|--|-----------------------------|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35                           | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80  | 85  | 90  | 95  | 100 |  |                             |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |     |     |     |     |     |  | (based on 21 pounds/bushel) |  |
| 7.5 in | 0                        | 1.9 | 2.9 | 4.0 | 5.2 | 6.4 | 7.7 | 9.0                          | 10 | 12 | 13 | 14 | 16 | 17 | 18 | 19 | 20  | 21  | 21  | 22  | 23  |  |                             |  |
|        | Drive Type: 2            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 3.9 | 5.9 | 8.2 | 11  | 13  | 16  | 18                           | 21 | 24 | 27 | 29 | 32 | 34 | 37 | 39 | 41  | 43  | 44  | 45  | 46  |  |                             |  |
|        | Drive Type: 3            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 6.6 | 9.3 | 12  | 16  | 19  | 23  | 27                           | 31 | 35 | 39 | 43 | 47 | 51 | 55 | 58 | 61  | 64  | 67  | 69  | 70  |  |                             |  |
|        | Drive Type: 4            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 11  | 15  | 20  | 25  | 31  | 37  | 44                           | 50 | 57 | 64 | 70 | 77 | 83 | 89 | 95 | 100 | 105 | 109 | 112 | 115 |  |                             |  |

32297C

### Flax (*Linum usitatissimum*) or Sudan (*Sorghum bicolor* subsp. *drummondii*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|----|----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 55 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.6 | 6.8 | 9.3 | 12 | 15 | 19 | 22   | 26  | 29  | 33  | 37  | 41  | 44  | 48  | 52  | 55  | 59  | 62  | 65  | 67  |  |
|        | Drive Type: 2            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 9.4 | 14  | 19  | 25 | 31 | 38 | 45   | 53  | 60  | 68  | 76  | 84  | 91  | 99  | 107 | 114 | 121 | 127 | 133 | 139 |  |
|        | Drive Type: 3            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 14  | 21  | 29  | 37 | 46 | 56 | 66   | 76  | 86  | 97  | 108 | 118 | 129 | 140 | 150 | 160 | 169 | 179 | 187 | 195 |  |
|        | Drive Type: 4            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 23  | 35  | 47  | 61 | 75 | 91 | 107  | 124 | 141 | 158 | 175 | 193 | 210 | 228 | 244 | 261 | 276 | 291 | 305 | 318 |  |

32298C

### Eastern Gamma Grass - Pete (*Tripsacum dactyloides*)

|        | Seed Rate Handle Setting |     |     |     |     |    |    |                              |    |    |    |    |    |    |    |    |    |    |    |    |     |
|--------|--------------------------|-----|-----|-----|-----|----|----|------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
|        | 0                        | 5   | 10  | 15  | 20  | 25 | 30 | 35                           | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| Rows   | Drive Type: 1            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 3.8 | 5.3 | 7.0 | 9.0 | 11 | 14 | 16                           | 19 | 21 | 24 | 26 | 29 | 31 | 34 | 36 | 38 | 40 | 41 | 42 | 43  |
|        | Drive Type: 2            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |    |    |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 7.9 | 11  | 14  | 18  | 23 | 28 | 33                           | 38 | 44 | 49 | 54 | 60 | 65 | 69 | 74 | 78 | 81 | 84 | 86 | 88  |

32299C

\* Fescue can be seeded down to 0.2#/ac from small seed box.



## Rate Charts, Main Seed Box, continued...

Kentucky Blue Grass (*Poa pratensis*)

|        | Seed Rate Handle Setting |     |     |     |     |     |     |     |     |     |  |    |    |    |    |    |    |    |    |    |     |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----|----|----|----|----|----|----|----|----|-----|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50   | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| Rows   | Drive Type: 1            |     |     |     |     |     |     |     |     |     | Seed Rate in Pounds Per Acre (based on 23 pounds/bushel) |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 1.5 | 2.1 | 2.9 | 3.7 | 4.6 | 5.6 | 6.7 | 7.7 | 8.8 | 10   | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 17 | 18 | 18  |
|        | Drive Type: 2            |     |     |     |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 3.0 | 4.4 | 5.9 | 7.7 | 10  | 12  | 14  | 16  | 18  | 20   | 23 | 25 | 27 | 29 | 31 | 33 | 34 | 35 | 37 | 37  |
|        | Drive Type: 3            |     |     |     |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 4.8 | 7.2 | 10  | 12  | 15  | 18  | 21  | 24  | 27  | 30   | 33 | 36 | 39 | 42 | 44 | 47 | 49 | 51 | 53 | 55  |
|        | Drive Type: 4            |     |     |     |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |    |    |    |    |    |    |    |    |    |     |
| 7.5 in | 0                        | 7.9 | 12  | 16  | 20  | 25  | 29  | 34  | 39  | 44  | 49   | 54 | 59 | 63 | 68 | 72 | 76 | 80 | 83 | 87 | 89  |

32300C

Millet (*Pennisetum glaucum*, *Setaria italica*,  
*Panicum miliaceum*, *Eleusine coracana*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |     |     |     |  |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|-----|----|----|----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35  | 40  | 45  | 50   | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre (based on 60 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.8 | 6.8 | 9.2 | 12 | 15 | 18 | 21  | 25  | 28  | 32   | 35  | 39  | 42  | 46  | 49  | 52  | 55  | 58  | 60  | 62  |
|        | Drive Type: 2            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 10  | 14  | 19  | 24 | 30 | 37 | 43  | 51  | 58  | 65   | 73  | 80  | 87  | 94  | 101 | 107 | 113 | 118 | 123 | 127 |
|        | Drive Type: 3            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 14  | 20  | 28  | 36 | 45 | 55 | 65  | 76  | 87  | 98   | 109 | 120 | 131 | 141 | 151 | 161 | 170 | 178 | 185 | 191 |
|        | Drive Type: 4            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 22  | 33  | 45  | 59 | 74 | 90 | 107 | 124 | 142 | 160  | 178 | 196 | 213 | 230 | 247 | 262 | 277 | 290 | 301 | 311 |

32301C

Milo (*Sorghum*)

|        | Seed Rate Handle Setting |     |     |    |    |    |    |    |    |    |  |    |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|----|----|----|----|----|----|----|--|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50   | 55 | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |    |    |    |    |    |    |    | Seed Rate in Pounds Per Acre (based on 60 pounds/bushel) |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.6 | 7.1 | 10 | 14 | 17 | 22 | 26 | 31 | 36 | 40   | 45 | 50  | 55  | 60  | 64  | 68  | 72  | 75  | 78  | 80  |
|        | Drive Type: 2            |     |     |    |    |    |    |    |    |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 9.4 | 15  | 21 | 28 | 36 | 44 | 54 | 63 | 73 | 83   | 93 | 103 | 113 | 122 | 131 | 140 | 148 | 154 | 160 | 165 |

32302C

Sorghum-Sudan - use this chart

## Rate Charts, Main Seed Box, continued...

Oats (*Avena sativa*)

|        | Seed Rate Handle Setting |     |     |     |     |     |    |  |    |    |    |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|-----|-----|----|--|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30 | 35   | 40 | 45 | 50 | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre (based on 37 pounds/bushel) |    |    |    |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 1.8 | 3.1 | 4.5 | 6.1 | 7.8 | 10 | 12   | 14 | 16 | 18 | 20  | 22  | 24  | 26  | 28  | 30  | 32  | 33  | 35  | 36  |  |
|        | Drive Type: 2            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 3.7 | 6.3 | 9.2 | 13  | 16  | 20 | 24   | 28 | 32 | 37 | 41  | 46  | 50  | 54  | 58  | 62  | 65  | 69  | 71  | 74  |  |
|        | Drive Type: 3            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 6.8 | 10  | 14  | 18  | 24  | 30 | 36   | 43 | 50 | 57 | 64  | 71  | 78  | 84  | 90  | 96  | 101 | 105 | 109 | 111 |  |
|        | Drive Type: 4            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 11  | 16  | 22  | 30  | 39  | 48 | 59   | 70 | 81 | 93 | 104 | 115 | 127 | 137 | 147 | 156 | 164 | 171 | 177 | 181 |  |

32303C

Orchard Grass Potomac (*Dactylis glomerata*)

|        | Seed Rate Handle Setting |     |     |     |     |     |     |  |     |     |     |     |     |    |    |    |    |    |    |    |     |  |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35   | 40  | 45  | 50  | 55  | 60  | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre (based on 18 pounds/bushel) |     |     |     |     |     |    |    |    |    |    |    |    |     |  |
| 7.5 in | 0                        | 1.1 | 1.5 | 2.0 | 2.7 | 3.3 | 4.1 | 4.9  | 5.8 | 6.7 | 7.6 | 8.5 | 9.4 | 10 | 11 | 12 | 13 | 13 | 14 | 14 | 15  |  |
|        | Drive Type: 2            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |    |    |    |    |    |    |    |     |  |
| 7.5 in | 0                        | 2.3 | 3.1 | 4.2 | 5.5 | 6.9 | 8.5 | 10   | 12  | 14  | 16  | 18  | 19  | 21 | 23 | 25 | 26 | 27 | 28 | 29 | 30  |  |
|        | Drive Type: 3            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |    |    |    |    |    |    |    |     |  |
| 7.5 in | 0                        | 3.3 | 4.6 | 6.1 | 7.9 | 10  | 12  | 14   | 17  | 20  | 22  | 25  | 27  | 30 | 32 | 35 | 37 | 39 | 41 | 43 | 44  |  |
|        | Drive Type: 4            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |    |    |    |    |    |    |    |     |  |
| 7.5 in | 0                        | 5.4 | 7.4 | 10  | 13  | 16  | 20  | 24   | 28  | 32  | 36  | 40  | 45  | 49 | 53 | 57 | 61 | 64 | 67 | 70 | 72  |  |

32304C

Peas (*Pisum sativum*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|----|----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 61 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 2.1 | 5.2 | 8.7 | 13 | 17 | 21 | 26   | 30  | 35  | 40  | 44  | 49  | 53  | 57  | 61  | 64  | 67  | 70  | 72  | 73  |  |
|        | Drive Type: 2            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.4 | 11  | 18  | 26 | 34 | 43 | 53   | 62  | 72  | 81  | 91  | 100 | 109 | 117 | 125 | 132 | 138 | 143 | 147 | 150 |  |
|        | Drive Type: 3            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 3.2 | 12  | 22  | 33 | 45 | 58 | 71   | 84  | 98  | 112 | 125 | 138 | 151 | 163 | 174 | 184 | 192 | 199 | 205 | 209 |  |
|        | Drive Type: 4            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 5.2 | 20  | 36  | 54 | 74 | 94 | 116  | 138 | 160 | 182 | 204 | 225 | 246 | 265 | 283 | 299 | 313 | 325 | 334 | 341 |  |

32305C

**Rate Charts, Main Seed Box, continued...****Pinto Beans (*Phaseolus vulgaris*)**

|        | Seed Rate Handle Setting |     |     |    |    |    |     |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|----|----|----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15 | 20 | 25 | 30  | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre (based on 61 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 4.1 | 6.8 | 10 | 14 | 18 | 22  | 27   | 32  | 37  | 42  | 47  | 52  | 56  | 60  | 64  | 68  | 71  | 73  | 75  | 76  |  |
|        | Drive Type: 2            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 8.5 | 14  | 21 | 28 | 37 | 46  | 56   | 65  | 76  | 86  | 96  | 106 | 115 | 124 | 132 | 140 | 146 | 151 | 155 | 157 |  |
|        | Drive Type: 3            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 14  | 22  | 31 | 42 | 54 | 67  | 81   | 95  | 109 | 124 | 139 | 153 | 167 | 180 | 192 | 203 | 213 | 221 | 227 | 231 |  |
|        | Drive Type: 4            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 23  | 35  | 51 | 68 | 88 | 109 | 131  | 155 | 178 | 203 | 226 | 250 | 272 | 294 | 313 | 331 | 347 | 360 | 369 | 376 |  |

32306C

**Rape (*Brassica napus*)**

|        | Seed Rate Handle Setting |     |     |     |    |    |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|-----|----|----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 51 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.2 | 6.2 | 8.5 | 11 | 14 | 16 | 19   | 22  | 25  | 28  | 31  | 34  | 37  | 40  | 43  | 46  | 49  | 52  | 54  | 56  |
|        | Drive Type: 2            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 8.6 | 13  | 18  | 23 | 28 | 34 | 39   | 45  | 52  | 58  | 64  | 70  | 77  | 83  | 89  | 95  | 101 | 106 | 111 | 116 |
|        | Drive Type: 3            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 13  | 18  | 25  | 31 | 39 | 47 | 56   | 65  | 75  | 84  | 94  | 104 | 113 | 122 | 131 | 139 | 147 | 154 | 161 | 166 |
|        | Drive Type: 4            |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 22  | 30  | 40  | 51 | 64 | 77 | 91   | 106 | 122 | 137 | 153 | 169 | 184 | 199 | 214 | 227 | 240 | 252 | 262 | 271 |

32307C

**Rice, Long Grain (*Oryza sativa indica*)**

|        | Seed Rate Handle Setting |     |     |     |     |    |    |                              |    |     |     |     |     |     |     |     |     |     |     |     |     |                             |
|--------|--------------------------|-----|-----|-----|-----|----|----|------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------|
|        | 0                        | 5   | 10  | 15  | 20  | 25 | 30 | 35                           | 40 | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |                             |
| Rows   | Drive Type: 1            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |     |     |     |     |     |     |     |     |     |     |     |     | (based on 47 pounds/bushel) |
| 7.5 in | 0                        | 0.9 | 3.3 | 5.8 | 8.3 | 11 | 14 | 16                           | 19 | 21  | 24  | 26  | 29  | 31  | 33  | 35  | 37  | 39  | 40  | 41  | 42  |                             |
|        | Drive Type: 2            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |     |     |     |     |     |     |     |     |     |     |     |     |                             |
| 7.5 in | 0                        | 1.8 | 6.7 | 12  | 17  | 22 | 28 | 33                           | 39 | 44  | 49  | 54  | 59  | 64  | 68  | 72  | 76  | 79  | 82  | 85  | 87  |                             |
|        | Drive Type: 3            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |     |     |     |     |     |     |     |     |     |     |     |     |                             |
| 7.5 in | 0                        | 3.0 | 10  | 18  | 25  | 33 | 40 | 48                           | 56 | 63  | 71  | 78  | 85  | 92  | 99  | 106 | 113 | 119 | 125 | 130 | 136 |                             |
|        | Drive Type: 4            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre |    |     |     |     |     |     |     |     |     |     |     |     |     |                             |
| 7.5 in | 0                        | 4.9 | 17  | 29  | 41  | 53 | 66 | 78                           | 91 | 103 | 115 | 127 | 139 | 151 | 162 | 173 | 183 | 194 | 203 | 213 | 221 |                             |

32308C



## Rate Charts, Main Seed Box, continued...

Rice, Short Grain (*Oryza sativa japonica*,  
*Oryza sativa sinica*)

|        | Seed Rate Handle Setting |     |     |     |     |    |    |  |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|-----|-----|----|----|--|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25 | 30 | 35   | 40 | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre (based on 43 pounds/bushel) |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 2.5 | 4.6 | 6.9 | 9.3 | 12 | 14 | 17   | 20 | 23  | 25  | 28  | 31  | 33  | 36  | 38  | 40  | 42  | 44  | 46  | 47  |  |
|        | Drive Type: 2            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 5.2 | 9.5 | 14  | 19  | 24 | 30 | 35   | 41 | 47  | 52  | 58  | 63  | 69  | 74  | 79  | 83  | 87  | 91  | 94  | 97  |  |
|        | Drive Type: 3            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 11  | 16  | 21  | 28  | 35 | 43 | 51   | 59 | 68  | 77  | 85  | 94  | 102 | 110 | 117 | 123 | 128 | 133 | 136 | 138 |  |
|        | Drive Type: 4            |     |     |     |     |    |    | Seed Rate in Pounds Per Acre                             |    |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 18  | 26  | 35  | 45  | 57 | 70 | 83   | 97 | 111 | 125 | 139 | 153 | 166 | 179 | 190 | 200 | 209 | 217 | 222 | 225 |  |

32309C

Rye (*Secale cereale*)

|        | Seed Rate Handle Setting |     |     |    |    |    |     |  |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|--------|--------------------------|-----|-----|----|----|----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
|        | 0                        | 5   | 10  | 15 | 20 | 25 | 30  | 35   | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |
| Rows   | Drive Type: 1            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre (based on 57 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 3.8 | 6.6 | 10 | 14 | 18 | 22  | 27   | 31  | 36  | 41  | 46  | 51  | 56  | 61  | 65  | 69  | 73  | 76  | 79  | 81  |  |
|        | Drive Type: 2            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 7.8 | 14  | 20 | 28 | 36 | 45  | 55   | 65  | 75  | 85  | 95  | 105 | 115 | 124 | 133 | 142 | 149 | 156 | 162 | 167 |  |
|        | Drive Type: 3            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 13  | 21  | 31 | 42 | 54 | 67  | 81   | 96  | 111 | 126 | 142 | 157 | 173 | 188 | 202 | 216 | 228 | 240 | 250 | 259 |  |
|        | Drive Type: 4            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 7.5 in | 0                        | 22  | 35  | 50 | 68 | 88 | 109 | 132  | 156 | 181 | 206 | 231 | 257 | 282 | 306 | 329 | 352 | 372 | 391 | 407 | 422 |  |

32310C

Perennial Rye Grass - Palmer  
(*Lolium perenne*, *Lolium multiflorum*)

|        | Seed Rate Handle Setting |     |     |     |     |     |    |  |    |    |    |    |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|-----|-----|-----|----|--|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30 | 35   | 40 | 45 | 50 | 55 | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre (based on 36 pounds/bushel) |    |    |    |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 2.4 | 3.6 | 4.9 | 6.3 | 7.9 | 10 | 11   | 13 | 15 | 17 | 19 | 21  | 22  | 24  | 26  | 27  | 29  | 30  | 31  | 31  |
|        | Drive Type: 2            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.9 | 7.3 | 10  | 13  | 16  | 20 | 23   | 27 | 31 | 35 | 39 | 42  | 46  | 50  | 53  | 56  | 59  | 61  | 63  | 65  |
|        | Drive Type: 3            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 10  | 12  | 15  | 19  | 24  | 29 | 35   | 41 | 47 | 54 | 61 | 67  | 73  | 79  | 85  | 90  | 94  | 97  | 99  | 101 |
|        | Drive Type: 4            |     |     |     |     |     |    | Seed Rate in Pounds Per Acre                             |    |    |    |    |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 16  | 19  | 24  | 31  | 38  | 47 | 57   | 67 | 77 | 88 | 99 | 109 | 120 | 129 | 138 | 146 | 153 | 158 | 162 | 164 |

32311C

## Rate Charts, Main Seed Box, continued...

Soybeans (*Glycine max*)

|        | Seed Rate Handle Setting |     |     |    |    |    |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|----|----|----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15 | 20 | 25 | 30  | 35  | 40  | 45  | 50   | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |    |    |    |     |     |     |     | Seed Rate in Pounds Per Acre (based on 58 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.0 | 6.9 | 10 | 14 | 18 | 22  | 26  | 31  | 35  | 40   | 44  | 49  | 53  | 57  | 61  | 64  | 67  | 70  | 72  | 74  |
|        | Drive Type: 2            |     |     |    |    |    |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 8.3 | 14  | 21 | 29 | 37 | 45  | 54  | 63  | 73  | 82   | 91  | 100 | 109 | 117 | 125 | 132 | 139 | 144 | 149 | 152 |
|        | Drive Type: 3            |     |     |    |    |    |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 11  | 21  | 31 | 43 | 55 | 67  | 80  | 93  | 106 | 120  | 133 | 146 | 158 | 170 | 182 | 193 | 203 | 212 | 220 | 228 |
|        | Drive Type: 4            |     |     |    |    |    |     |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 18  | 34  | 51 | 70 | 89 | 110 | 131 | 152 | 173 | 195  | 216 | 237 | 258 | 278 | 297 | 314 | 331 | 346 | 359 | 371 |

32312C

Sunflower (*Helianthus annuus*)

|        | Seed Rate Handle Setting |     |     |     |     |     |     |    |    |    |  |    |    |    |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|----|----|----|--|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35 | 40 | 45 | 50   | 55 | 60 | 65 | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |     |     |     |     |    |    |    | Seed Rate in Pounds Per Acre (based on 28 pounds/bushel) |    |    |    |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 0.3 | 1.7 | 3.2 | 4.8 | 6.5 | 8.3 | 10 | 12 | 14 | 16   | 18 | 20 | 22 | 23  | 25  | 27  | 28  | 30  | 31  | 32  |
|        | Drive Type: 2            |     |     |     |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 0.6 | 3.4 | 6.5 | 10  | 13  | 17  | 21 | 25 | 29 | 33   | 37 | 41 | 44 | 48  | 52  | 55  | 58  | 61  | 64  | 66  |
|        | Drive Type: 3            |     |     |     |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 2.5 | 5.4 | 9.0 | 13  | 17  | 22  | 27 | 33 | 38 | 44   | 50 | 55 | 61 | 66  | 71  | 76  | 80  | 84  | 88  | 90  |
|        | Drive Type: 4            |     |     |     |     |     |     |    |    |    | Seed Rate in Pounds Per Acre                             |    |    |    |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.1 | 8.9 | 15  | 21  | 28  | 36  | 45 | 54 | 63 | 72   | 81 | 90 | 99 | 108 | 116 | 124 | 131 | 137 | 143 | 147 |

32313C

Tiffany Teff, Coated (*Eragrostis tef*)

|        | Seed Rate Handle Setting |     |     |     |    |    |    |     |     |     |  |     |     |     |     |     |     |     |     |     |     |
|--------|--------------------------|-----|-----|-----|----|----|----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | 0                        | 5   | 10  | 15  | 20 | 25 | 30 | 35  | 40  | 45  | 50   | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |
| Rows   | Drive Type: 1            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre (based on 65 pounds/bushel) |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 4.0 | 6.3 | 8.8 | 12 | 14 | 18 | 21  | 24  | 28  | 31   | 35  | 39  | 43  | 47  | 51  | 54  | 58  | 62  | 65  | 69  |
|        | Drive Type: 2            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 8.3 | 13  | 18  | 24 | 30 | 36 | 43  | 50  | 57  | 65   | 72  | 80  | 88  | 96  | 104 | 112 | 119 | 127 | 134 | 142 |
|        | Drive Type: 3            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 12  | 19  | 27  | 36 | 45 | 54 | 64  | 75  | 86  | 97   | 109 | 120 | 132 | 144 | 156 | 167 | 179 | 190 | 202 | 212 |
|        | Drive Type: 4            |     |     |     |    |    |    |     |     |     | Seed Rate in Pounds Per Acre                             |     |     |     |     |     |     |     |     |     |     |
| 7.5 in | 0                        | 20  | 32  | 44  | 58 | 73 | 88 | 105 | 122 | 140 | 158  | 177 | 196 | 215 | 235 | 254 | 273 | 292 | 311 | 329 | 346 |

32314C

**Rate Charts, Main Seed Box, continued...****Wheat (*Triticum*)**

|        | Seed Rate Handle Setting |     |     |    |    |    |     |                              |     |     |     |     |     |     |     |     |     |     |     |     |     |  |                             |  |
|--------|--------------------------|-----|-----|----|----|----|-----|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----------------------------|--|
|        | 0                        | 5   | 10  | 15 | 20 | 25 | 30  | 35                           | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 |  |                             |  |
| Rows   | Drive Type: 1            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre |     |     |     |     |     |     |     |     |     |     |     |     |     |  | (based on 64 pounds/bushel) |  |
| 7.5 in | 0                        | 7.1 | 8.9 | 11 | 14 | 18 | 22  | 26                           | 30  | 35  | 40  | 45  | 50  | 55  | 59  | 64  | 68  | 72  | 75  | 78  | 80  |  |                             |  |
|        | Drive Type: 2            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre |     |     |     |     |     |     |     |     |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 15  | 18  | 23 | 29 | 37 | 45  | 53                           | 63  | 72  | 82  | 93  | 103 | 113 | 122 | 131 | 140 | 147 | 154 | 159 | 164 |  |                             |  |
|        | Drive Type: 3            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre |     |     |     |     |     |     |     |     |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 18  | 26  | 34 | 44 | 55 | 68  | 80                           | 94  | 108 | 122 | 136 | 150 | 164 | 177 | 190 | 201 | 212 | 222 | 230 | 236 |  |                             |  |
|        | Drive Type: 4            |     |     |    |    |    |     | Seed Rate in Pounds Per Acre |     |     |     |     |     |     |     |     |     |     |     |     |     |  |                             |  |
| 7.5 in | 0                        | 30  | 42  | 56 | 72 | 90 | 110 | 131                          | 153 | 176 | 199 | 222 | 245 | 267 | 289 | 309 | 329 | 346 | 362 | 375 | 385 |  |                             |  |

32315C

**Wheatgrass (*Pascopyrum smithii*,  
*Agropyron elongatum*)**

|        | Seed Rate Handle Setting |     |     |     |     |     |     |                              |     |     |     |     |    |    |    |    |    |    |    |    |     |  |                             |  |
|--------|--------------------------|-----|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-----|--|-----------------------------|--|
|        | 0                        | 5   | 10  | 15  | 20  | 25  | 30  | 35                           | 40  | 45  | 50  | 55  | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |  |                             |  |
| Rows   | Drive Type: 1            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |     |     |     |     |    |    |    |    |    |    |    |    |     |  | (based on 23 pounds/bushel) |  |
| 7.5 in | 0                        | 0.9 | 1.7 | 2.4 | 3.2 | 4.0 | 4.9 | 5.8                          | 6.6 | 7.5 | 8.4 | 9.3 | 10 | 11 | 12 | 13 | 14 | 14 | 15 | 16 | 16  |  |                             |  |
|        | Drive Type: 2            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |     |     |     |     |    |    |    |    |    |    |    |    |     |  |                             |  |
| 7.5 in | 0                        | 1.9 | 3.4 | 4.9 | 6.6 | 8.3 | 10  | 12                           | 14  | 15  | 17  | 19  | 21 | 23 | 25 | 26 | 28 | 29 | 31 | 32 | 33  |  |                             |  |
|        | Drive Type: 3            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |     |     |     |     |    |    |    |    |    |    |    |    |     |  |                             |  |
| 7.5 in | 0                        | 3.5 | 5.3 | 7.4 | 10  | 12  | 15  | 17                           | 20  | 23  | 25  | 28  | 31 | 33 | 36 | 39 | 41 | 43 | 45 | 47 | 49  |  |                             |  |
|        | Drive Type: 4            |     |     |     |     |     |     | Seed Rate in Pounds Per Acre |     |     |     |     |    |    |    |    |    |    |    |    |     |  |                             |  |
| 7.5 in | 0                        | 5.7 | 8.7 | 12  | 16  | 20  | 24  | 28                           | 32  | 37  | 41  | 46  | 50 | 55 | 59 | 63 | 67 | 70 | 74 | 77 | 79  |  |                             |  |

32316C



## Franklin County Conservation District No Till Drill Rental Agreement

\_\_\_\_\_ will rent the 606NT Drill from the Franklin County Conservation District  
On \_\_\_\_\_ in accordance of the following rental conditions:

- **Renter is responsible to pay the cost for any repairs** that are caused by negligence while the drill is rented to you, including flat tires, damaged/missing parts, etc. Report any malfunctions or damage immediately.
- **Renter assumes all risks** and will pay all costs and expenses arising out of the use, possession or maintenance thereof, and is to give immediate written notice to lesser stating damage to, or loss of possession of said equipment by any cause whatsoever.
- **Scheduling allows for 20 acres per day.** We reserve the right to assess a charge of \$240 per day for everyday the drill rented to you, during acceptable weather conditions and is setting idle. **We reserve the right to charge additional fee if drill is not returned on time.**
- **All equipment remains the personal property of the Franklin County Conservation District.** The Franklin County Conservation District reserves the right to possession of equipment at any time. The drill is provided as a service to Franklin County landowners through the Fr Co Conservation District; we appreciate you caring for the drill while in use! **Returning it in as good OR better condition than you picked it up is appreciated!**
- **Fr Co Conservation District does not provide any type of guarantee for grass or crop stand.** The owner's manual provided on the drill, and the attached information sheets, are to be used as informational guides and are in no way exact.
- **Always lift drill out of the ground when turning at row ends and for other short-radius turns.**
- The drill only needs hydraulics to lift, it does NOT need constant down force. Be cautious when lowering drill, it is NOT a heavy piece of equipment. **The depth stop weldment MUST remain in the middle of cylinder, pointing upward. SEE PHOTOS pg 3**
- **Do not transport the drill with seed in the boxes for any reason!** No fertilizer or "treated seed" is to be used in drill
- **Renter will be charged \$25.00 cleaning fee per box** if seed boxes have not been cleaned out when returned.
- **Make sure hydraulic hoses and light wiring are secure to tongue of drill so they do not drag on roadway.** Lights are wired to connect to tractor, if pulling after dark YOU need to provide adaptor for truck plug.
- **Take jack OFF the tongue when planting to avoid damaging /bending jack with tractor tire in tight turns. You bend it, you buy it!**
- **Road speed should not exceed 20MPH FOR ANY REASON and drive must be disengaged; field speed should not exceed 3 or 4 MPH.**
- **Acreage meter readings will be used to calculate total rental fee.** You must RECORD ACREAGE METER READING: Beginning # \_\_\_\_\_ Ending # \_\_\_\_\_ = Total Acres \_\_\_\_\_

**The drill will be returned to the USDA Service Center by (date/time)**\_\_\_\_\_

*I acknowledge that I have read the above information and agree to all policies as listed.*

\_\_\_\_\_  
Signature

*If using the drill after hours/weekends and you need assistance call Keri at 785-865-8058*

**Before leaving with the drill you should: Road speed should not exceed 20MPH**

- **Check to see that the tires are properly inflated-** if tire is low or flat call let us know so you are not charged for tire repair.
- **Check drill for damage, worn or missing parts-** report any damage or questionable damage so you are not charged for repairs.

**Basic Field Operation**

1. Hitch drill to a suitable tractor. **40hp is minimum requirement.**
2. Raise drill. Hold at raised for several seconds to re-phase lift cylinders. Set circuit to Neutral. Shut off tractor.
3. Remove red transport locks from cylinders. Move them to secure storage location.
4. Engage drive with lock-out hub on the drive wheel. Pull pin away from hub. Rotate 90 degrees. Release into deeper notch pair. *Note: Pin may not set fully immediately but will at next drill movement.*
5. Set seed population per rate chart or calibration, from Seed Rate manual.
6. Set seed cup handle if using FRONT Seed Box. **If you skip this seed could end up on the ground where you are filling drill!**
7. Load appropriate box with clean seed.
8. Raise drill. Check that feed cups, seed tubes and drives are working properly and free from foreign material by looking for seed flow under each opener.
9. Lower drill. Pull forward. Stop. Check tool bar height and opener depth.
10. Begin seeding. **Do not exceed 3 to 4 mph in the field.**
11. Always lift drill out of the ground when turning at row ends and for other short-radius turns. Seeding stops automatically as drill is raised.

**There is a copy of both the Seed Rate Charts AND the Operators Manual in the manual box on the front of the drill; if you have any questions please refer to the appropriate manual.**

**Before Returning the Drill:**

- **CLEAN OUT ALL SEED BOXES!** See page 3 of seed charts for information on adjusting seed cup doors for clean out on front box. Leaving seed in the drill is like leaving money in the drill. A shop-vac works well. We will assess a \$25.00 cleaning fee PER BOX if needed.
- Raise drill, re-install both transport locks on each side of the drill. **The transport locks should be placed on from the underside of the cylinders** (see page 22, figure 16 of operator manual).
- **On the left the cylinder, the stop weldment should be pointing upward, through the open portion of the transport lock. Do NOT remove the stop weldment.**
- Unhook hydraulic hoses from your tractor!
- **Disengage the driver side wheel!** If you do not disengage the wheel the acreage meter will keep rolling, remember you are charge based on the acreage meter reading.
- **Record ending reading from acreage meter on the front of this paper.**
- Check the drill for damage, worn or missing parts and that the tires are properly inflated. **If the drill has a flat or low tire that you did not reports as being flat or low before you started you are responsible for getting the tire repaired!**
- Also make sure drill is clean, inside and out. Empty seed boxes and if you get into excessive dirt or have hydraulic fluid on the drill- please clean it!
- Make sure you have 9 sprockets on the sprocket storage bars on the right side of the drill and both transport locks are securely in place.
- Make sure you returned the manual to the storage box if you used the manual.
- Report any problems to the Conservation District!
- You are now ready to return the drill to the Conservation District Office. **Do not travel any faster than 20 mph when pulling the drill!**

**Remember to return the drill on time, there are other people lined up to rent it after you.**

Park the drill in the northwest corner of the parking lot at the USDA Service Center in the designated "Drill Parking Only" area. Please park as close the grass on the west side of concrete as possible.

**If returning on a Saturday or Sunday please call or text Keri to let her know its back!**