

# **SMS 250 SEEDER METER “POUNDS PER ACRE”**

**BERCKES MFG. 2064 Hwy 75, CANBY MN 56220**

**PHONE AND FAX. 1-507-223-7754 TOLL FREE 1-800-309-4964**

**“WORLDS BEST SEED DRILL CALIBRATOR” (LBS PER ACRE)**

THE APPLICATION RATE SCALE IS BALANCED FROM THE FACTORY TO HAVE A ZERO BALANCE.

## **INSTRUCTIONS:**

**FOR AIR SEEDERS, ATTACH ENCLOSED CLOTH COLLECTION BAG TO THE END OF THE SEED TUBE. LET THE FAN RUN WITH NO SEED IN THE TUBE. WHEN YOU HAVE COMPLETED THE DISTANCE TRAVELED, YOU SHOULD LET THE AIR FLOW CONTINUE SO ALL THE SEED FLOWS INTO THE COLLECTION BAG.**

**FOR CONVENTIONAL DRILLS, YOU MAY USE A DISPOSABLE CUP OR THE SCALE ITSELF TO COLLECT THE SEED SAMPLE FOR THE DISTANCE TRAVELED.**

**BELOW IS THE CHART FOR TRAVEL DISTANCE FOR DIFFERENT ROW SPACINGS.**

## **CHART**

<b>ROW SPACING</b>	<b>TRAVEL DISTANCE</b>	<b>ROW SPACING</b>	<b>TRAVEL DISTANCE</b>	<b>ROW SPACING</b>	<b>TRAVEL DISTANCE</b>
5 INCHES .....	349 FT.	5.5 INCHES.....	317 FT.	6 INCHES .....	290 FT.
6,5 INCHES.....	268 FT.	7 INCHES.....	249 FT.	7.5 INCHES.....	232 FT.
8 INCHES .....	218 FT.	9 INCHES .....	194 FT.	9.5 INCHES .....	183 FT.
10 INCHES .....	174 FT.	12 INCHES .....	145 FT.	14 INCHES .....	124 FT.
15 INCHES .....	116 FT.	16 INCHES .....	109 FT.	18 INCHES .....	97 FT.
20 INCHES .....	76 FT.	24 INCHES .....	72 FT.		
30 INCHES .....	58 FT.	36 INCHES .....	48 FT.		

**EMPTY THE COLLECTED SAMPLE INTO THE SCALE CANISTER.**

**\*\*\*\*\* THE MOST IMPORTANT STEP\*\*\*\*\***

**LEVEL THE SEED SAMPLE IN THE CANISTER BEFORE TESTING.**

**SUPPORT THE SCALE BY THE RING WITH YOUR FINGER, AND SLIDE THE WEIGHT ON THE BEAM UNTIL LEVEL BUBBLE IS CENTERED.**

**READ THE POUNDS PER ACRE AT THE CENTER MARK OF THE WEIGHT CUBE.**

## **NOTES OF INTEREST:**

**FOR DIFFERENT ROW SPACING, DEVIDE INCHES INTO  $145.2 \times 12 =$  TRAVEL DISTANCE.**

**WHEN CALIBRATING DRILLS FOR SMALL GRASS SEEDS, (ALF. ETC.) INCREASE THE TRAVEL DISTANCE TIMES 10. THEN DEVIDE THE POUNDS PER ACRE READING BY 10.**

**EXAMPLE: WITH A 7 INCH SPACING DRILL, TRAVEL 2490 FEET, (WHICH IS 150 FEET LESS THAN ½ MILE. ½ MILE IS 2640 FEET) IF THE SCALE READS 150 POUNDS, YOUR APPLICATION RATE WILL BE 15 POUNDS PER ACRE.**

**YOU MAY WANT TO MEASURE THE DISTANCE TRAVELED WITH A REVELUTION OF YOUR TRACTOR WHEEL, MARK THE TIRE AND COUNT THE REVULATIONS FOR CALCULATING TRAVEL DISTANCE.**

**BERCKES MFG. ALSO MANUFACTURES GRAIN TEST WEIGHT SCALES THAT GIVE POUNDS PER BUSHEL FOR YOUR YIELD, QUALITY, AND BIN CAPACITYS., FERTILIER DENSITY SCALES FOR SETTING APPLICATORS. WEBSITE: [WWW.ACUSCALE.COM](http://WWW.ACUSCALE.COM)**

**ALSO FERTILIZER DENSITY SCALES FOR SETTING FERTILIZERAPPLICATORS,**