

Logan County Soil & Water Conservation District

Tye Drill

Grass and Legume Seed Box Chart

This is the middle seed box

The rates below are for drill sprocket ratio of 1:1. This ratio exists when the 26 tooth sprocket is installed on the front drive shaft that is painted orange. (The sprockets are on the right end of the drill, when facing the tractor.) A 13 tooth sprocket, in the bucket of accessories, may be installed which will reduce the drill to half speed. This 13 tooth sprocket will cut the number of pounds being applied to half the rate shown in the chart below.

Cup Opening in inches	Pounds of Seed per Acre				
	Alfalfa & Ladino	Timothy	Redtop & Bluegrass	Orchard grass	Switchgrass
1/8	3	1.7	1.2	-----	-----
3/16	4.7	3.3	1.8	-----	4
1/4	6.3	4.9	2.4	0.9	5.5
5/16	8	6.5	2.9	1.3	7
3/8	9.6	8.1	3.5	1.7	8.2
7/16	11.2	9.7	4.1	2.1	9.5
1/2	12.8	11.3	4.7	2.4	11
9/16	14.5	13	5.3	2.8	12
5/8	16.1	14.6	5.9	3.2	13.4
11/16	17.7	16.2	6.5	3.6	14.7
3/4	19.3	18	7.1	4	16
13/16	21	19.4	7.7	4.3	17.3
7/8	22.6	21	8.3	4.7	18.7
15/16	24	22.6	8.8	5.1	20
1"	26	24.2	9.4	5.5	21.3

Other notes: You will need to put spacers in the hydraulic cylinders on both ends of the drill in order to regulate the depth of seeding. Spacers should be in the bucket of accessories, but you may need supply additional ones.

A scale for setting the seeder opening is located the 2nd seeder cup from the right side of the drill. The reading on the scale is equal to the actual opening through which the seed will flow. Read the scale by noting the measurement that lines up with the straight edge of the seeder housing. Each mark represents 1/16". The scale is best seen by kneeling on the walkboard and looking down thru the space between the legume box and the back box. Read the scale against the straight edge of the seeder cup housing. Loosen the lock handle on the end of the shaft and turn clockwise to reduce the cup opening or counterclockwise to increase the cup opening.

When closing the seeder opening on a loaded hopper, it is imperative to slowly turn the handle on the legume box while also turning the drive wheel to allow seed to escape the cups.