

Logan County Soil & Water Conservation District

Tye Drill - Bromegrass settings for back box

Below are the expected rates for the drive sprocket found on the grain shaft on the right side of the drill which drives the rear box. Extra drive sprockets are stored on the left side of the drill. The locknut or lock handle, along with the hand wheel, need to be removed to change this sprocket. Once they are removed, loosen the idler, slide the sprocket off the square shaft and select the appropriate sprocket from the left side of the drill.

Drill Ratio = 1:1 (A 26 tooth sprocket is driving all three boxes - right side)

Grain Shaft Drive Sprocket # of Teeth	Pounds of Brome Per Acre
15	13 - 14
20	18 - 19
25	22 - 23
30	26 - 27
40	36

Drill Ratio = 1:2 (A 13 tooth sprocket is driving all three boxes - right side)

Grain Shaft Drive Sprocket # of teeth	Pounds of Brome Per Acre
15	7
20	9 - 10
25	12
30	14
40	19

Note: The back box is also used for planting many of the prairie grasses such as Little Bluestem, Big Bluestem, Indian Grass and Canada Wild Rye. Please check with Steve at the office for settings for these combinations.