

Table 12. Michigan State University 2025 Multiple-cutting Sorghum Sudangrass Variety Trial Yields (DM tons/acre). Michigan State University Agronomy Farm, East Lansing, Michigan. Planted June 13, 2025.

Medium Maturity Varieties									
		Heading date	Cut 1 - August 20, 2025			Cut 2 - 10/8/2025			Total Yield DM tons/acre
Variety			Height - Feet	DM Yield tons/acre	DM%	Height - inches	DM Yield tons/acre	DM %	
Viking 104	Sorghum x sudangrass	August 13	8.6	6.05	23.4	29.8	1.77	18.9	7.82
Viking 204	Sorghum x sudangrass	August 14	8.1	4.77	20.2	28.0	1.77	20.8	6.54
Viking 234	Sorghum x sudangrass	August 20	5.8	4.11	19.1	25.8	1.61	21.3	5.72
Viking 236	Sorghum x sudangrass	August 21	6.3	4.12	20.2	26.0	1.80	21.3	5.92
Blue River 510	Sudangrass	August 12	8.0	4.49	20.4	26.5	1.70	19.8	6.19
Average - five medium-maturing entries			7.4	4.71	20.7	27.2	1.73	20.4	6.44
LSD 0.05			0.6	0.39	1.4	6.5	0.28	1.6	0.55
CV %			5.4	5.3	4.4	15.6	10.4	5.0	5.60
Later Maturity Varieties									
		Heading date	Cut 1 - August 20, 2025			Cut 2 - 10/8/2025			Total Yield DM tons/acre
Variety			Height - Feet	DM Yield tons/acre	DM%	Height - inches	DM Yield tons/acre	DM %	
Blue River 225	Sorghum x sudangrass	Vegetative	7.0	4.63	18.6	22.8	1.43	20.9	6.06
Viking 304	Sorghum x sudangrass	Vegetative	5.9	3.43	16.4	24.3	1.48	20.0	4.91
Average - two late maturing entries			6.4	4.03	17.5	23.5	1.46	20.4	5.48
LSD 0.05			0.8	1.18	1.3	0.9	0.05	0.5	1.23 ns
CV %			5.3	13.1	3.3	1.7	1.5	1.1	10
Average - all seven entries									
			7.1	4.51	19.8	26.1	1.65	20.4	6.16
LSD 0.05			0.6	0.47	1.2	5.7	0.29	1.3	0.55
CV %			5.4	7.0	4.2	14.6	11.8	4.2	6.0
Location Michigan State Univeristy Agronomy Farm, East Lansing, Michigan									
Seeding Date June 13, 2025 at 30 lbs/acre seeding rate. Randomized complete block, four replications.									
Plot Size 8 rows by 25 ft long seeded, 3 ft by 17 ft harvest area from the center of each plot.									
Fertilizer 300 lbs per acre 19-19-19 prior to seeding. 100 lbs/a N broadcast on June 30									
Heading Estimate of when 50% of the plants have an emerged seed head.									
Height Height at the base of the seed head, or the top leaf if vegetative Lodging None in 2025									
Notes Harvest yield was obtained with a Carter flail harvester. % Dry matter was determined from each plot. Second cutting was a day before an anticipated first killing frost.									