



# Wildlife Habitat Seed Program Technical Specifications

	CORN	GRAIN SORGHUM	SOYBEAN	WINTER WHEAT
<b>Description</b>	A warm-season annual; excellent wildlife food.	Grain sorghum is an annual. It is a choice food of quail, doves, ducks, geese and turkey.	A common, annual, summer legume. The vegetative parts and seeds are excellent food choices for deer and other wildlife.	Winter wheat is a cool-season annual grown throughout Mississippi. In addition to using winter wheat for forage and grain production, it is a choice food for many species of wildlife such as quail, deer, dove and turkey.
<b>Soil Adaptation</b>	Performs best on well-drained soils. Poorly drained sites will not allow timely planting and will reduce yields and increase competition from weeds. Moderately, well-drained sites can be chosen if flooding is desired.	Soils best adapted for grain sorghum are deep and well-drained, but yields can be obtained on heavy, clay-to-clay loams, shallow soils and soils not well-drained.	Widely adapted to drained, medium textured soils and heavier textured soils.	Winter wheat is adapted to most soil types throughout the state. Avoid wet soils.
<b>Seedbed Preparation</b>	Well-prepared seedbed or no-till into a legume, small grain or old residue. Plant in 30" to 40" rows.	A clean, firm seedbed is necessary.	Prepare a clean, firm seedbed.	Prepare a clean, firm seedbed.
<b>Planting Dates</b>	March 15 – April 25 Plant 16,000 to 18,000 seeds per acre, which is equivalent to 12-15 lbs. per acre.	April 15 – May 15 Rates vary from 8 to 10 lbs. per acre assuming the seed has an 80% germination rate and a 75% emergence rate. Cover seed about 1" deep. Plant in rows of 36" to 40" spacing for best results.	April 15 – May 15 Seeding rates will depend upon variety planted. The planting rate will be between 30 to 60 lbs. per acre. Broadcast or plant with a grain drill.	September 1 – November 1 Plant 80 lbs. per acre (1.5 bushels) when seedbeds are conventionally prepared. Increase rates to 100 lbs. per acre where wheat is "roughed in".
<b>Fertility Requirements</b>	Use soil test recommendations, or use 300 - 400 lbs. per acre of 13-13-13.	Use soil test recommendations, or use nitrogen rates of 34 to 200 lbs. per acre depending on desired yields. Potassium requirements range from 30 to 50 lbs. per acre and potash from 60 to 100 lbs. per acre.	A soil test is recommended or apply 200 lbs. per acre of 0-20-20.	Use soil test results for determination or 60 lbs. per acre of nitrogen, 80 lbs. per acre of potassium and 80 lbs. per acre of potash. An additional amount should be added in February or March. Amount will depend on use.
<b>pH Requirement</b>	6.0 to 6.5. Apply agricultural lime according to soil test recommendation.	5.5 to 6.5. Apply agricultural lime according to soil test recommendation.	6.0 – 7.0. If soil pH is below 6.0, lime with at least 1 ton of agricultural lime per acre.	6.0 to 6.5. Apply agricultural lime according to soil test recommendation.