

Okra

Varieties	Days to Maturity
Annie Oakley II (F1 Hybrid)	52
Clemson Spineless, (Open pollinated)	55
Burgundy (red)	60

Planting and Spacing

Seed 12 to 18 inches apart in rows 36 inches apart. Seed only after the soil has warmed to 65°F to 70°F for several days. Black plastic mulch with drip irrigation will increase yields. Transplants can be used for early production.

Fertilizing

Lime: To maintain a soil pH of 6.0 to 6.5. Okra is very sensitive to low pH soils.

Preplant: N: 40 pounds N per acre preplant broadcast and disked in prior to seeding. P₂O₅: 0 to 200 pounds per

acre. K₂O: 0 to 300 pounds per acre. Adjust according to soil type, previous management, and soil test results.

Sidedress N: Apply 40 pounds N as a sidedress after the first harvest.

Harvest

Okra should be harvested every 2 to 3 days to maintain optimal market size (2- to 4-inch long pods). Frequent harvesting increases overall yield since the plant will reset pods faster. Okra will yield 8,000 to 10,000 pounds per acre. Okra can be stored at 45°F to 55°F and 90 percent to 95 percent relative humidity for 7 to 10 days.

Disease Control

Diseases Controlled	Treatment	Comments
Fusarium Wilt	Avoid fields with a history of Fusarium wilt.	Rotations of several years may reduce Fusarium wilt severity.










Weed Control

Weeds Controlled ¹	Treatment ²	Comments
Annuals and Perennials (emerged) — crop not present or protected from spray	Glyphosate products at 0.75-3.75 lbs. acid equivalent (ae) per acre. Use formulations containing 3 lbs. ae/gal. (4 lbs. isopropylamine salt/gal.) at 1-5 qts. per acre, or formulations containing 4.5 lbs. ae/gal. (5 lbs. potassium salt/gal.) at 0.66-3.3 qts. per acre.	Broadcast at least 3 days before transplanting or apply between crop rows with hooded or shielded sprayers. Use low rate for annuals and higher rates for perennials. See label for suggested application volume and adjuvants. Remove herbicide residue from plastic mulch prior to transplanting. 14-day PHI.
Broadleaves (emerged) — crop not present or protected from spray	Aim EC [®] at 0.5-2 fl. oz. per acre.	Apply prior to transplanting or apply between crop rows with hooded sprayer. Do not apply before direct seeding. Do not allow spray to contact crop. Use COC or nonionic surfactant. Weeds must be actively growing and less than 4 inches tall. Do not exceed 6.1 fl. oz. per acre per season.
Broadleaves and Grasses (not emerged)	Trifluralin products at 0.5-1 lb. a.i. per acre. Use 4EC formulations at 1-2 pts. per acre.	Use low rate on soils with less than 2% organic matter. Broadcast and incorporate before transplanting. Not effective on muck or high organic matter soils.
Broadleaves and Nutsedge (not emerged or emerged)	Sandea [®] at 0.5- 1 oz. per acre.	Apply between rows of direct-seeded or transplanted crop. Use lower rates on coarse soils with low organic matter. Add 0.5-1 pt. nonionic surfactant per 25 gallons of spray solution if emerged weeds are present. Avoid contact of the herbicide with the crop. Avoid contact with surface of plastic mulch if present. Do not exceed 2 oz. per acre per 12-month period.
Grasses (emerged)	Poast 1.5E [®] at 1-1.5 pts. per acre.	Use 1 qt. of COC per acre. Spray on actively growing grass. Use high rate on quackgrass. Do not exceed 5.5 pts. per acre per season. 14-day PHI.

¹For specific weeds controlled by each herbicide, check Table 21 on page 39.

²Rates given are for overall coverage. For band treatment, reduce amounts according to the portion of acre treated.

Insect Control

Insects controlled	Treatment	Comments
Aphids	Admire PRO® at 7-14 fl. oz. per acre.	Do not exceed 0.38 lb. a.i. per acre per season. 21-day PHI.
	Malathion 5EC® at 1.5 pts. per acre.	1-day PHI.
	Provado 1.6F® at 3.8 fl. oz. per acre.	Do not exceed 0.24 lb. a.i. per acre per season. 0-day PHI.
Colorado Potato Beetles	Admire PRO® at 7-14 fl. oz. per acre, or Provado 1.6F® at 3.8 fl. oz. per acre.	Do not exceed 0.38 lb. a.i. per acre per season. 21-day PHI.
	 Entrust® at 1-2 oz. per acre.	Do not exceed 9 oz. per acre per season. 1-day PHI.
	Provado 1.6F® at 3.8 fl. oz. per acre.	Do not exceed 0.24 lb. a.i. per acre per season. 0-day PHI.
	 Radiant SC® at 5-10 fl. oz. per acre.	Do not exceed 34 fl. oz. per acre per season. 1-day PHI.
	 SpinTor 2SC® at 3-6 fl. oz. per acre.	Do not exceed 29 fl. oz. per acre per season. 1-day PHI.
Corn Earworms	Brigade 2EC® at 2.1-6.4 fl. oz. per acre.	Do not exceed 12.8 fl. oz. per acre per season. 7-day PHI.
	 Entrust® at 1-2 oz. per acre.	Also controls European corn borers, hornworms, armyworms, and loopers. Do not exceed 9 oz. per acre per season. 1-day PHI.
	Sevin XLR PLUS® at 1-1.5 qts. per acre.	Do not exceed 6 qts. per acre per season. 3-day PHI.
	 SpinTor 2SC® at 3-6 fl. oz. per acre.	Also controls European corn borers, hornworms, armyworms, and loopers. Do not exceed 29 fl. oz. per acre per season. 1-day PHI.
Mites	 Acramite 50WS® at 0.75-1.5 lbs. per acre.	Do not exceed 1 application per season. 3-day PHI.
Potato Leafhoppers	Admire PRO® at 7-14 fl. oz. per acre.	Do not exceed 0.38 lb. a.i. per acre per season. 21-day PHI.
	Provado 1.6F® at 3.8 fl. oz. per acre.	Do not exceed 0.24 lb. a.i. per acre per season. 0-day PHI.
Thrips	Admire PRO® at 7-14 fl. oz. per acre.	Do not exceed 0.38 lb. a.i. per acre per season. 21-day PHI.
	Brigade 2EC® at 2.1-6.4 fl. oz. per acre.	Do not exceed 12.8 fl. oz. per acre per season. 7-day PHI.
	 Entrust® at 1.25-2.5 oz. per acre.	Do not exceed 9 oz. of Entrust® per acre per season. 1-day PHI.
	 Radiant SC® at 6-10 fl. oz. per acre.	Do not exceed 34 fl. oz. per acre per season. 1-day PHI.
	 SpinTor 2SC® at 4-8 fl. oz. per acre.	Do not exceed 29 fl. oz. per acre per season. 1-day PHI.

 This is a reduced-risk pesticide. See pages 23-24 for details.



Okra plants respond well to the higher soil temperatures that can be maintained by using opaque plastic mulch.