Sustainable vegetable production education

Vegetable Production—Planting Spreadsheet

| Crop | Varieties | Days to harvest | Days to Germination | Direct Seed? | Transplant seedlings | Succession planting | Comments | Average Yield | Spacing | Seeds/50 foot row | Seeds/ acre |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Asparagus | Jersey Giant, Jersey Knight, Jersey King, Jersey Supreme, Atlas, Purple Passion  | \* | 7 - 20 days | N | 10 - 14 weeks | \* | 1 year old crowns, Plant 4/15-5/15  | 1.35 tons/acre; 20 lbs/50' | R: 4-5', Sp: 12-16" | 10 g | 500 g/acre |
| Beans, bush | Benchmark, Bronco, Daytona, Envy, Evergreen, Flo, Hialeah, Hystylw, LBEsoe, Opua, Rushmore, Strike, Tema, Venture | E: 45, L:65 | 6 - 10 days | Y | \* | 2 weeks | Summer | 1.75 tons/acre; 50 lbs/50' | R: 18-36", 5-7 seeds/ foot | 500 seeds (125 g) | 70-100 lbs/acre |
| Beans, lima, bush | Bridgeton, Fordhook 242, Henderson Bush, King of the Garden | E: 65, L:78 | 10 - 14 days | Y | \* | \* | Summer | 1.25 tons/acre | R: 18-36", 5-7/ft | 500 seeds (125 g) | 70-100 lbs/acre |
| Beets | Ruby Queen, Crosby Greentop, Red Ace, Asgrow Wonder, Pacemaker III, Rosette | E: 50, L: 80 | 7- 15 days | Y | \* | 2 weeks | Spring & Fall | 7 tons/acre; 50 lbs/50'  | R: 18-24", Sp: 1-3" | 1M seeds (10 g) | 8-10 lbs/acre |
| Broccoli | Leprechaun, Regal, Green Comet, Emperor, Green Valiant, Premium Crop, Goliath, Gypsy, Marathon, Triathalon, Arcadia | E: 70, L: 150 | 7 - 10 days | N | 4 to 6 weeks | 2 weeks | Spring & Fall | 2.5 tons/acre; 25-35 heads/50' | R: 3', Sp: 12-18" | 40 - 50 seeds | transplants: 30M seeds/acre |
| Brussels sprouts | Prince Marvel, Oliver, Dasher, Jade Cross | E: 90, L: 100 | 7 - 10 days | N | 4 - 6 weeks | \* | Spring | 4.5 tons/acre; 30 lbs/50' | R: 3', Sp: 18-24" | 40 - 50 seeds | transplants: 30M seeds/acre |
| Cabbage | Stone Head, Head Start Charmant, Conquest, Bronco, Green Cup, Blue Pak, Cheers, Rio Verde, Hinove, Red Acre, Regal Red, Ruby Perfection | E: 62, L: 110 | 7 - 10 days | N | 4 to 6 weeks | 3 weeks | Spring & Fall | 8 tons/acre; 25-35 heads/50' | R: 2-3', Sp. 12-15" | 40 - 50 seeds | 30M seeds/acre |
| Carrots | Chantenay, Danvers 126, Gold King, Atlanta, Bolero, Mokum, Heritage, Protégé, PY 60 Improved | E: 60, L: 85 | 14 - 21 days | Y | \* | 3 weeks | Spring & Fall | 13.5 tons/acre; 45 lbs/50' | R: 16-30", Sp: 20-30/ft | 1-2M (5-10 g) | 300M seeds/acre |
| Cauliflower | Snow Crown F1, Fremont F1, Snowball Y Improved OP, Andes OP, White Sails F1, Self-Blanche OP, Silver Streak | E: 55, L: 65 | 7 - 10 days | N | 4 - 6 weeks | 2 weeks | Spring & Fall | 7.75 tons/acre; 25-35 heads/50' | R: 3', Sp: 15-18" | 40 - 50 seeds | 30M seeds/acre |
| Corn | Standard, Sugar Enhanced, Supersweet, Ultra Sweet | E: 70, L: 100 | 7 - 10 days | Y | \* | 2 weeks | Summer | 2.5 tons/acre (525 doz); 3-4 doz/50' | R: 30-40", E. Sp: 8-10", L. Sp: 9-12" | 200 seeds | 10-15 lbs/acre |
| Cucumbers | Calypso, Carolina, Fancipak M, Green Spear 14 | E: 60m L: 70 | 7 - 10 days | Y | 4 - 6 weeks | 4-5 weeks | Summer | 3.75 tons/acre; 60 lbs/50' | R: 4-6', Sp:15-18" | 350 seeds | 25-30M seeds/acre |
| Eggplant | Dusky, Classic, Epic, Ichiban, Little Fingers, Millionaire, Kiko, Nadia, Caspar, Ghostbuster, Rosita | E: 70, L: 85 | 7 - 12 days | N | 6-8weeks | 8 weeks | Summer | 5 tons/acre; 50 lbs/50' | R: 24-36", Sp:18-24" | 30 - 40 seeds | transplants: 10M seeds/acre |
| Lettuce, head | Ithaca; Butterhead: Buttercrunch, Esmeralda,  | E: 60, L: 85 | 7 - 10 days | Y | \* | 2 weeks | Spring & Fall | 720 dozen/acre; 50 heads/50' | R: 12-15", Sp:10-16" | 60-70 seeds | 1-2 lbs/acre |
| Lettuce, leaf | Tiara, Glossy Green, Green Wave, New Red Fire, Sierra, Vulcan, Tango, Lolla Rossa | E: 40, L: 50 | 7 - 10 days | Y | \* | 2 weeks | cool weather | 720 dozen/acre; 25 lbs/50'  | R: 12-15", Sp:10-16" | 10g | 1-2 lbs/acre |
| Melon, Honey Dew | Daybreak, Early Dew, Moonshine | 115 days | 5 - 10 days | Y | 3 - 4 weeks | \* | Summer | 10.85 tons/acre; 50 fruits/50' | R: 5-7', Sp: 3-5' | 40-50 seeds | 6-8M seeds/acre |
| Muskmelon | Aphrodite, Athena, Crescent Moon, Eclipse, Odyssey, Saticoy, Starfire, Starship, Superstar, Vienna | E: 75, L: 83 | 5 - 10 days | Y | 3 - 4 weeks | 2 weeks | Summer | 3.85 tons/acre; 50 fruits/50' | R: 5-7', Sp: 3-5' | 40-50 seeds | 6-8M seeds/acre |
| Onions | E: Candy, Cavalier, Comanch, Northstar; M: Burgos, Copra, Lakota, Nitro, Spirit; L: Crusader, Daytona, Celtic, Sweet Sandwich, Spartan Banner 80, Walla Walla Sweet; | E: 85, L: 120 | 10 - 20 days |  Dry: N | 6-8 weeks | \* | \* | 9 tons/acre; 30-40 lbs/50' | R: 14", Sp: 2" | 100 sets | 4 lbs/acre |
| Peas | Shelling: Spring, Knight, Bolero, Green Arrow, Lincoln; Snap: Sugar Bon, Sugar Ann, Cascadia, Supersnappy | E: 58, L: 77 | 7 - 10 days | Y | \* | \* | Spring & Fall | 1.5 tons/acre | R: 32-26", Sp: 6-8 seeds/ft | 250-375 g | 100-150 lbs/acre |
| Peppers, Sweet | Alliance, Aristotle, Brigadier, Crusader, King Arthur, Lafayette, Paladin, Revolution, Sentry, Sovrates, Red Knight X3R | E: 60, L: 80 | 14 - 20 days | N | 6 - 8 weeks | \* | Summer | 3 tons/acre; 25 lbs/50' | R: 18", Sp: 12" | 30-40 seeds | 4 oz/acre transplants |
| Potatoes | Norland, Superior, Russet Norkotah, Cascade, Gold Rush, Snoden, Atlantic, Katahdin, Kennebec, Red Pontiac, Russet Burbank | E: 60, L: 80 | \* | Y | \* | \* | Use B-size certified seed | 6.75 tons/acre; 50-75 lbs/50'  | R: 34-36", Sp: 9-11" | 5-7 lbs seed potatoes | 16-18 100 lb bags/acre |
| Pumpkin | Numerous | E: 110, L: 120 | 7 - 12 days | Y | 3 - 4 weeks | \* | Summer | 50 tons; 100-150 lbs/50'  | R: 6-8', Sp: 2-5' | 30 - 40 seeds | Bush: 4-6 lbs/acre, Vining: 2-3 lbs/acre |
| Radishes | Cherry Bell, Comet, Red Prince | E: 22, L: 40 | 5 - 7 days | Y | \* | 2 weeks | best in cool weather | 20,000 bunches/acre; 50 bunches/50' | R: 15", Sp: 1-2" | 10-25g | 10 - 15 lbs/acre |
| Spinach | Spring: Bloomsdale Long Standing; Fall: Early Hybrid No. 7, Early Hybrid No. 10, Old Dominion, Virginia Savoy; Tyee, Melody, Decatur, Unipak 151 | E: 40, L: 50 | 8 - 10 days | Y | \* | 2 weeks | Spring & Fall | 3 tons/acre; 20 lbs/50' | R: 12-18", Sp: 2-3" | 500-1000 seeds | 12 - 20 lbs/acre |
| Squash, summer | Golden Zucchini, Middle Eastern, Yellow Crookneck, Yellow Straighneck, Zucchini | E: 50, L: 68 | 7 - 12 days | Y | 3 - 4 weeks | 4 - 8 weeks | Summer | 9 tons/acre; 45 lbs/50' | R: 6-8', Sp: 2-5' | 40-50 seeds | Bush: 4-6 lbs/acre, Vining: 2-3 lbs/acre |
| Squash, Winter | Acorn, Butternut, Buttercup, Hubard, Spaghetti | E: 80, L: 120 | 7 - 12 days | Y | 3 - 4 weeks | \* | Summer | 10 tons/acre; 175 lbs/50' | R: 6-8', Sp: 2-5' | 30-40 seeds | Bush: 4-6 lbs/acre, Vining: 2-3 lbs/acre |
| Tomatoes | Numerous | E: 65, L: 100 | 8 - 10 days | N | 5-7 weeks | 2 weeks | Summer | 4.2 tons/acre; 75 lbs/50' | R: 3-4', Sp: 2-3' | 20-25 seeds | 5 - 7M/acre |
| Turnips | Purple Top, Whit Globe, Seven Top | E: 40, L: 75 | 5 - 7 days | Y | \* | 2 weeks | best in cool weather | 5 tons/acre; 50 lbs/50' | R: 14-18"; Sp: 2-3" | 5g | 1-2 lbs/acre |
| Watermelon | Numerous | E: 65; L: 95 | 10-15 days | Y | 3 - 4 weeks | \* | summer | 280 fruits/acre; 30 fruits/50' | R: 6-12'; Sp: 3-6' | 10g | 1.5-2.5 lbs/acre |





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