

Vegetable Crop Irrigation Chart

adapted from Doug Sanders'

NCSU HIL- 33E

| Crop | Frequency | Critical Period | Rooting Depth | Potential Defects |
|----------------|---------------|---|---------------|------------------------------------|
| Asparagus | 1" / 20 days | Crown set, transplanting | D | Shriveling |
| Beans | 1" / 5-7 days | Flowering | M | Poor pod fill |
| Beets | 1" / 14 days | Root expansion | M | Growth cracks |
| Broccoli | 1" / 5 days | Head development | S | |
| Cabbage | 1" / 10 days | Head development | S | Growth cracks |
| Carrot | 1" / 21 days | Seed germination, Root expansion | S-M | Growth cracks misshapen roots |
| Cantaloupe | 1" / 10 days | Flowering, fruiting | S-M | |
| Ch. Cabbage | 1" / 5 days | Continuous | S | Tough leaves |
| Collards | 1" / 14 days | Continuous | S | Tough leaves |
| Corn | 1" / 14 days | Silking | S | Poor ear fill |
| Cucumbers | 1" / 7 days | Flowering, fruiting | S-M | Pointed, cracked |
| Eggplant | 1" / 7 days | Flowering, fruiting | M | Blossom end rot misshapen roots |
| Greens | 1" / 7 days | Continuous | M | Tough leaves |
| Leeks | 1" / 5 days | Continuous | S | Thin scale formation |
| Lettuce | 1" / 7 days | Head expansion | D | Tough, small |
| Okra | 1" / 14 days | Flowering | D | Tough pods |
| Onion | 1" / 7 days | Bulbing, bulb expansion | S | Poor size |
| Peas | 1" / 14 days | Flowering, pod swelling | M | Poor pod fill |
| Peppers | 1" / 7 days | Transplanting, flowering, up to 1/2" fruit | M | Shriveled pods, Blossom end rot |
| Potatoes | 1" / 7 days | After flowering | S | Second growth misshapen roots |
| Radish | 1" / 5 days | Continuous | S | Pithy root |
| Squash, sum. | 1" / 5 days | Fruit sizing | M | Pointed, misshapen |
| Squash, winter | 1" / 10 days | Fruit sizing | D | |
| Sweet Potato | 1" / 21 days | Fruit, last 40 days | D | Small, misshapen roots |
| Tomatoes | 1" / 5 days | Fruit expansion | D | Blossom end rot, growth cracks |
| Turnips | 1" / 10 days | Root expansion | M | Woody roots |
| Watermelon | 1" / 21 days | Fruit expansion | D | Blossom end rot |

Rooting depth: **S**= shallow, 12-18"; **M**= moderate, 18-24"; **D**= deep, 24"+