

USDA Hardiness Zones

Average Annual Minimum Temperature Range

[Click here for color detailed "ZONE" map](#)

Zone	Fahrenheit	Celsius	Example Cities
1	Below -50 F	Below -45.6 C	Fairbanks, Alaska; Resolute, Northwest Territories (Canada)
2a	-50 to -45 F	-42.8 to -45.5 C	Prudhoe Bay, Alaska; Flin Flon, Manitoba (Canada)
2b	-45 to -40 F	-40.0 to -42.7 C	Unalakleet, Alaska; Pinecreek, Minnesota
3a	-40 to -35 F	-37.3 to -39.9 C	International Falls, Minnesota; St. Michael, Alaska
3b	-35 to -30 F	-34.5 to -37.2 C	Tomahawk, Wisconsin; Sidney, Montana
4a	-30 to -25 F	-31.7 to -34.4 C	Minneapolis/St.Paul, Minnesota; Lewistown, Montana
4b	-25 to -20 F	-28.9 to -31.6 C	Northwood, Iowa; Nebraska
5a	-20 to -15 F	-26.2 to -28.8 C	Des Moines, Iowa; Illinois
5b	-15 to -10 F	-23.4 to -26.1 C	Columbia, Missouri; Mansfield, Pennsylvania
6a	-10 to -5 F	-20.6 to -23.3 C	St. Louis, Missouri; Lebanon, Pennsylvania
6b	-5 to 0 F	-17.8 to -20.5 C	McMinnville, Tennessee; Branson, Missouri
7a	0 to 5 F	-15.0 to -17.7 C	Oklahoma City, Oklahoma; South Boston, Virginia
7b	5 to 10 F	-12.3 to -14.9 C	Little Rock, Arkansas; Griffin, Georgia
8a	10 to 15 F	-9.5 to -12.2 C	Tifton, Georgia; Dallas, Texas
8b	15 to 20 F	-6.7 to -9.4 C	Austin, Texas; Gainesville, Florida
9a	20 to 25 F	-3.9 to -6.6 C	Houston, Texas; St. Augustine, Florida
9b	25 to 30 F	-1.2 to -3.8 C	Brownsville, Texas; Fort Pierce, Florida
10a	30 to 35 F	1.6 to -1.1 C	Naples, Florida; Victorville, California
10b	35 to 40 F	4.4 to 1.7 C	Miami, Florida; Coral Gables, Florida
11	above 40 F	above 4.5 C	Honolulu, Hawaii; Mazatlan, Mexico

When the average first frost falls on –

VARIETY	AUG. 30	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 10	OCT. 20
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Use the following planting dates -

BEANS, LIMA			JUNE 1	JUNE 15	JUNE 25	JULY 5
BEANS, SNAP		MAY 15	JUNE 1	JUNE 15	JULY 1	JULY 15
BEET	JUNE 15	JUNE 25	JULY 5	JULY 15	JULY 25	AUG. 5
BROCCOLI (plants)	JUNE 1	JUNE 7	JUNE 15	JUNE 25	JULY 10	JULY 25
CABBAGE (plants)	JUNE 1	JUNE 7	JUNE 15	JUNE 25	JULY 10	JULY 25
CARROT	JUNE 15	JUNE 25	JULY 5	JULY 15	JULY 25	AUG. 5
CHARD	JUNE 15	JUNE 25	JULY 5	JULY 10	JULY 20	JULY 30
COLLARD (plants)	JUNE 15	JUNE 20	JUNE 30	JULY 10	JULY 20	AUG. 1
CORN, (sweet)			JUNE 1	JUNE 15	JUNE 25	JULY 10
CUCUMBER			JUNE 1	JUNE 15	JUNE 30	JULY 15
EGGPLANT (plants)				JUNE 1	JUNE 10	JUNE 25

More Planting Dates Below

When the average first frost falls on -

VARIETY	AUG. 30	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 10	OCT. 20
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Use the following planting dates -

KALE	JUNE 10	JUNE 15	JUNE 30	JULY 15	JULY 30	AUG. 15
LETTUCE (leaf)	JULY 10	JULY 20	AUG. 1	AUG. 10	AUG. 20	SEPT. 1
MELONS			JUNE 10	JUNE 15	JUNE 25	JULY 5
MUSTARD	JULY 5	JULY 10	JULY 20	AUG. 1	AUG. 10	AUG. 20
OKRA			JUNE 15	JUNE 30	JULY 15	JULY 30
PEA (green)	JUNE 15	JUNE 25	JULY 10	JULY 20	AUG. 1	AUG. 10
PEPPER PLANTS			JUNE 20	JUNE 30	JULY 7	JULY 15
PUMPKINS			JUNE 10	JUNE 15	JUNE 25	JULY 5
RADISH	JULY 15	AUG. 1	AUG. 15	SEPT. 1	SEPT. 10	SEPT. 20
SPINACH	JULY 1	JULY 15	JULY 25	AUG. 5	AUG. 15	AUG. 25
SQUASH			JUNE 10	JUNE 15	JUNE 25	JULY 5
TOMATO PLANTS	JUNE 10	JUNE 15	JUNE 20	JUNE 25	JUNE 30	JULY 5
TURNIP	JUNE 15	JULY 1	JULY 15	JULY 25	AUG. 5	AUG. 15

More Planting Dates Below

When the average first frost falls on -

VARIETY	OCT. 30	NOV. 10	NOV. 20	NOV. 30	DEC. 10	DEC. 20
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Use the following planting dates -

BEANS, LIMA	JULY 15	JULY 30	AUG. 15	AUG. 30	SEPT. 15	SEPT. 25
BEANS, SNAP	JULY 30	AUG. 15	AUG. 30	SEPT. 15	SEPT. 30	OCT. 15
BEEF	AUG. 20	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 5	OCT. 15
BROCCOLI (plants)	AUG. 10	AUG. 20	SEPT. 5	SEPT. 20	OCT. 5	OCT. 10
CABBAGE (plants)	AUG. 10	AUG. 20	SEPT. 5	SEPT. 20	OCT. 5	OCT. 10
CARROT	AUG. 15	AUG. 25	SEPT. 5	SEPT 15	SEPT 25	OCT. 5
CHARD	AUG. 15	AUG. 30	SEPT. 15	SEPT. 25	OCT. 5	OCT. 15
COLLARD (plants)	AUG. 10	AUG. 20	SEPT. 5	SEPT. 15	SEPT. 25	OCT. 5
CORN, (sweet)	JULY 20	JULY 30	AUG. 10	AUG. 20	AUG. 30	SEPT. 10
CUCUMBER	AUG. 1	AUG. 15	AUG. 30	SEPT. 10	SEPT. 20	OCT. 5
EGGPLANT (plants)	JULY 5	JULY 15	JULY 25	AUG. 5	AUG. 15	AUG. 25

More Planting Dates Below

When the average first frost falls on -

VARIETY	OCT. 30	NOV. 10	NOV. 20	NOV. 30	DEC. 10	DEC. 20
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Use the following planting dates -

KALE	AUG. 25	SEPT. 5	SEPT. 15	SEPT. 25	OCT. 5	OCT. 15
LETTUCE (leaf)	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 10	OCT. 20	OCT. 30
MELONS	JULY 15	JULY 25				
MUSTARD	SEPT. 1	SEPT. 10	SEPT. 20	OCT. 1	OCT. 10	OCT. 20
OKRA	AUG. 10	AUG. 20	AUG. 30	SEPT. 10	SEPT. 20	OCT. 1
PEA (green)	AUG. 20	AUG. 30	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 10
PEPPER PLANTS	JULY 25	AUG. 10	AUG. 20	AUG. 30	SEPT. 10	SEPT. 20
PUMPKINS	JULY 15	JULY 25				
RADISH	SEPT. 30	OCT. 10	OCT. 20	OCT. 30	NOV. 10	NOV. 20
SPINACH	SEPT. 5	SEPT. 15	SEPT. 25	OCT. 5	OCT. 15	OCT. 25
SQUASH	JULY 15	JULY 25				
TOMATO PLANTS	JULY 15	JULY 25	AUG. 5	AUG. 15	AUG. 25	SEPT. 5
TURNIP	AUG. 30	SEPT. 10	SEPT. 20	SEPT. 30	OCT. 10	OCT. 20