

Windbreak Interpretations

Farmstead windbreaks protect livestock, buildings, and yards from wind and snow. They also protect fruit trees and gardens, and they furnish habitat for wildlife. Several rows of low-growing and high-growing broadleaf and coniferous trees and shrubs provide the most protection.

Field windbreaks are narrow plantings made at right angles to the prevailing wind and at specific intervals across the field. The interval depends on the erodibility of the soil. Field windbreaks protect cropland and crops from wind, help to keep snow on the fields, increase crop yields, and provide food and cover for wildlife.

Each tree or shrub species has certain climatic and physiographic limits. Within these parameters a tree or shrub may be well or poorly suited because of soil characteristics. Each tree or shrub also has definable potentials of height growth based on the soil type and climate.

Information in this subsection, which includes windbreak suitability groups and a windbreak and environmental plantings table, can be used as a guide in planning windbreaks and screens.

This subsection includes:

- **(a) Trees and Shrubs for Windbreak and Environmental Plantings**

Cooper County, Missouri
Windbreaks and Environmental Plantings

(Absence of an entry indicates that trees generally do not grow to the given height.)

Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
10: ACKMORE-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
11B: ARISBURG-----	---	---	---	---	---
11B2: ARISBURG-----	---	---	---	---	---
11C2: ARISBURG-----	---	---	---	---	---
13B: JEMERSON-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
15D2: NEWCOMER-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
15F: NEWCOMER-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
17C2: BLUELICK-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine

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	<8	8-15	16-25	26-35	>35
17D2: BLUELICK-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
17E2: BLUELICK-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
20: BREMER-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
25A: CHAUNCEY-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
27B: CLAFORK-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
27B2: CLAFORK-----	---	---	---	---	---
27C2: CLAFORK-----	---	---	---	---	---
28A: DAMERON-----	---	---	---	---	---
29: DARWIN-----	---	---	---	---	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
30: DOCKERY-----	---	---	---	---	---
32A: CRESTMEDIA-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
32B2: CRESTMEDIA-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
33: EUDORA-----	---	---	---	---	---
34D: ELDON-----	American plum; common lilac; fragrant sumac	Amur maple; gray dogwood; Washington hawthorn	Austrian pine; common hackberry; eastern redcedar; honeylocust; unknown; Virginia pine	---	---
35A: FREEBURG-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
35B: FREEBURG-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak

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	<8	8-15	16-25	26-35	>35
38B2: GLENSTED-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
40C: GOSS-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
40D: GOSS-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
40F: GOSS-----	---	---	---	---	other trees
41: GRABLE-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---
46: HAYNIE-----	---	---	---	---	---
47: HAYNIE-----	---	---	---	---	---
WALDRON-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---

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	<8	8-15	16-25	26-35	>35
48B: HIGGINSVILLE-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
50C: BUNCETON-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
50C2: BUNCETON-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
50D2: BUNCETON-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
51C2: KNOX-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
52C2: LADOGA-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
53: BUCKNEY-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
54A: LESLIE-----	---	---	---	---	---
54B: LESLIE-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
54B2: LESLIE-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
56: LETA-----	American plum; blackhaw	possumhaw	eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	bur oak; common hackberry; green ash	---
60F: LINDLEY-----	---	---	---	---	---
64B: MCGIRK-----	---	---	---	---	---
66C: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
66C2: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
66D2: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
66F: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
67C2: MENFRO-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
70C: MOKO-----	---	---	---	---	---
ROCK OUTCROP-----	---	---	---	---	---
70F: MOKO-----	---	---	---	---	---
ROCK OUTCROP-----	---	---	---	---	---
72: MONITEAU-----	---	---	---	---	---
75: SHANNONDALE-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak
76: MOTARK-----	American plum; fragrant sumac	blackhaw; gray dogwood	eastern redcedar; nannyberry; Washington hawthorn	baldcypress; green ash; sweetgum	eastern white pine; pin oak

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Map symbol and soil name	Trees having predicted 20-year average height, in feet, of--				
	<8	8-15	16-25	26-35	>35
80B: PERSHING-----	---	---	---	---	---
80B2: PERSHING-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
80C2: PERSHING-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
82: SARPY-----	American plum; common lilac; fragrant sumac; gray dogwood	autumn olive; Washington hawthorn	blackjack oak; diospyros; eastern redcedar; jack pine	eastern cottonwood	---
86: SPEED-----	---	---	---	---	---
87A: SPEED-----	---	---	---	---	---
88: STURKIE-----	---	---	---	---	---
90B: WAKENDA-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
90C2: WAKENDA-----	fragrant sumac	American plum; gray dogwood; southern	eastern redbud; eastern redcedar;	green ash; northern red oak; tuliptree;	eastern white pine

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92: WALDRON-----	American plum; blackhaw	arrowwood possumhaw	Washington hawthorn eastern arborvitae; eastern redcedar; nannyberry; Washington hawthorn; white spruce	white fir bur oak; common hackberry; green ash	---
93B: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
93B2: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
93C2: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
93D2: COTTON-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
94B: WELLER-----	---	---	---	---	---

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94B2: WELLER-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
94C2: WELLER-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
94D2: WELLER-----	fragrant sumac; ninebark	Amur maple; gray dogwood; possumhaw	eastern redcedar	Austrian pine; common hackberry; honeylocust; Norway spruce; pin oak	---
95C: WRENGART-----	---	---	---	---	---
95C2: WRENGART-----	---	---	---	---	---
95D2: WRENGART-----	---	---	---	---	---
95E: WRENGART-----	---	---	---	---	---
96C: WINFIELD-----	fragrant sumac	American plum; gray dogwood; southern arrowwood	eastern redbud; eastern redcedar; Washington hawthorn	green ash; northern red oak; tuliptree; white fir	eastern white pine
96C2: WINFIELD-----	fragrant sumac	American plum; gray dogwood; southern	eastern redbud; eastern redcedar;	green ash; northern red oak; tuliptree;	eastern white pine

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96D2: WINFIELD-----	fragrant sumac	arrowwood American plum; gray dogwood; southern arrowwood	Washington hawthorn eastern redbud; eastern redcedar; Washington hawthorn	white fir green ash; northern red oak; tuliptree; white fir	eastern white pine
99: ZOOK-----	buttonbush	possumhaw	eastern arborvitae; eastern redcedar; nannyberry	baldcypress; common hackberry; pin oak	eastern cottonwood
100: PITS-----	---	---	---	---	---
W: Water-----	---	---	---	---	---