

Tree Cross-reactivity

FAMILY	GENUS	COMMON NAME	POLLINATION
Aceraceae	<i>Acer</i>	Box Elder Maple, Red Maple, Soft/Silver Maple, Sugar	Winter – Spring Winter – Spring Winter – Summer Spring – Summer
Anacardiaceae	<i>Mangifera</i> <i>Schinus</i>	Mango Blossom Peppertree, California	Spring
Arecaceae	<i>Arecastrum</i>	Palm, Queen	Spring – Summer
Altingiaceae	<i>Liquidambar</i>	Sweetgum	Winter – Summer
Betulaceae	<i>Alnus</i> <i>Betula</i> <i>Betula</i> <i>Betula</i> <i>Corylus</i>	Alder (Hazel, Red, White) Birch (Black, White) Birch (Red, River) Birch, Spring Hazelnut Pollen	Winter – Spring Spring Winter – Summer Spring – Summer Spring
Cannabaceae	<i>Celtis</i>	Hackberry	Spring – Fall
Casuarinaceae	<i>Casuarina</i>	Beefwood/Australian Pine	All year long
Cupressaceae	<i>Juniperus</i> <i>Juniperus</i> <i>Juniperus</i> <i>Cupressus</i> <i>Taxodium</i>	Cedar, Eastern Red Cedar, Mountain Juniper (Oneseed, Pinchot, Rocky Mountain, Utah, Western) Cypress, Arizona Cypress, Bald	Spring Summer – Fall Spring Spring Spring
Elaeagnaceae	<i>Elaeagnus</i>	Olive, Russian	Spring – Summer
Fabaceae	<i>Acacia</i> <i>Robinia</i> <i>Prosopis</i>	Acacia (Acacia, Golden) Locust, Black Mesquite (Mesquite, Velvet)	Spring Spring – Summer Spring – Fall
Fagaceae	<i>Fagus</i> <i>Quercus</i>	Beech, American Oak (Arizona/Gambel, Black, Bur, California Black, California Live, California White, Post, Red, Virginia Live, Water, Western White, White)	Winter – Spring Spring

Extensive cross-reactivity among the different individual species of a genus can be expected, as well as to a certain degree among members of a family. It should be noted that there is strong cross-reactivity between the Betulaceae and Fagaceae families.

In the common name* column, the color indicates the species allergenicity:

● Mild allergen ● Moderate allergen ● Severe allergen

*The allergenicity of species that are colored black are unknown.

Pollen Library.com website. Accessed July 6, 2021. <https://www.pollenlibrary.com/>

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FAMILY	GENUS	COMMON NAME	POLLINATION
Juglandaceae	<i>Carya</i> <i>Carya</i> <i>Juglans</i> <i>Juglans</i>	Hickory (Shagbark, Shellbark, White) Pecan Pollen Walnut (English Pollen, California Black Pollen) Walnut, Black Pollen	Spring Spring Spring Spring – Summer
Moraceae	<i>Broussonetia</i> <i>Morus</i> <i>Morus</i>	Mulberry, Paper Mulberry, Red Mulberry, White	Spring – Summer Winter – Summer Winter – Spring
Myricaceae	<i>Myrica</i> <i>Melaleuca</i> <i>Eucalyptus</i> <i>Melaleuca</i>	Bayberry or Wax Myrtle Bottlebrush Tree Eucalyptus Melaleuca	All year long Summer Spring – Summer All year long
Oleaceae	<i>Fraxinus</i> <i>Olea</i> <i>Ligustrum</i>	Ash (Arizona, Oregon, Red/Green, White) Olive Tree Privet	Winter – Spring Summer Spring – Summer
Pinaceae	<i>Pinus</i>	Pine (Loblolly, Longleaf, Ponderosa, Southern Yellow) Pine (White, White/Western)	Spring Fall
Platanaceae	<i>Platanus</i>	Sycamore, American Sycamore, Western	Winter – Summer Winter – Spring
Salicaceae	<i>Populus</i> <i>Populus</i> <i>Populus</i> <i>Populus</i> <i>Populus</i> <i>Salix</i> <i>Salix</i>	Aspen, Quaking Cottonwood, Black Cottonwood (Eastern, Freemont, Western) Poplar, Lombardy Poplar, White Willow, Arroyo Willow, Black	Winter – Summer Spring – Summer Spring Spring Winter – Spring Spring Spring – Summer
Simaroubaceae	<i>Ailanthus</i>	Ailanthus (Tree of Heaven)	Spring – Summer
Ulmaceae	<i>Ulmus</i>	Elm, American Elm, Cedar or Fall Elm, Chinese	Winter – Spring Summer – Fall Winter – Spring

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