

**Pinaceae – Pinus by cone**

*P. strobus* – White spots and no armature, cone longer than wide

*P. virginiana* – Purple lines, heavy spine, smooth apophis

*P. sylvestris* – Faint purple, no spines, thicker apophis

*P. rigida* – Turbinate flat bottom, stout spine

*P. echinata* – Thin scale, tiny prickle, hardly armed and egg shaped

*P. pungens* – Very heavy spine, thick apophis, flat bottom

*P. taeda* – Hurts to squeeze, outwardly curved spine, pale brown, smooth apophis

*P. elliotii* – Chocolate varnished look, wrinkled apophis

*P. palustris* – Large cone, small prickle

*P. flexilis* – Orangish-brown

*P. ponderosa* – (2-5 needles per fascicle) small cone