

Female Cones of Coniferales

		Pinaceae		Araucariaceae		Podocarpaceae s.l.		Sciadopitys		Taxaceae s.l.		Taxodiaceae		Cupressaceae s.s.	
		Orig.	Avan.	Orig.	Advanced	Original	Advanced	Original	Avan.	Orig.	Avan.	Orig.	Avan.	Orig.	Avan.
Mature cone:	Upright	X		X		X		(X)			X		X		X
	Hanging		X												
	Looses scales	X		X											
	Keeps scales		X						X				X		X
	Woody, dry	X		X				X				X		(X)	
	Fleshy, soft						X				X				(x) Jun
Scales: Number:	Many	X		X		X Sax m.fl.		(X)				(X)			
	Few						X								(X)
	In a screw	X		X				X				X			
	Not in a screw														X
Bracts+seedscales	free	X													
	Scales grown together				X				X				X		X
Seeds: Per scale:	Few		2	1		1	2 Sax								
	Many								7-9				2-9		3-20
	Free, often wings	X		(X) Ag+W				X				X		(X)	
	United with scale			Arau (X)											(x) Jun
	Micropyle adaxial	X		X		X		X				X			
	abaxial						X					X			X
Pollination-drop		Picea				X		?		X		X		X	
	No pollination-drop	Pinus	X		X			?							
							Sax								