

SEEDS EXCHANGE WINTER 2020-2021

			Warm s.	Cold s.	Comments
1	Acer buergerianum	W		90-120	
2	Acer capillipes	W		90-120	
3	Acer cappadocicum	W		60-90	
4	Acer caudatifolium	W		120	T24
5	Acer circinatum	W	60	60-90	JLH : stratification préalable de 2 ans nécessaire / 2 years stratification needed
6	Acer davidii	W		90-120	
7	Acer diabolicum	W		90	T24
8	Acer fabri	W		60	
9	Acer forrestii	W		120	T24
10	Acer fulvescens	W			JLH : les graines germent très facilement / easy to germinate
11	Acer griseum	W		180+	T72 (See Footnote *1)
12	Acer japonicum	W	120	120	T72
13	Acer laevigatum	W		90-120	(-E)
14	Acer oliverianum	W		90-150	JLH : les graines doivent être semées directement après la récolte / seeds should be sown right after collecting
15	Acer palm. mix	W		60-120	(AK) If recently collected, most will germinate in 60-90 days
16	Acer pectinatum	W		120	T24
17	Acer pseudosieboldianum	W		90-120	T72
18	Acer rubescens	W		90	(-E) Easy to germinate, does better without extended freeze
19	Acer rufinerve	W		90-120	(AK) Easy to germinate
20	Acer sieboldianum	W	0 120	120 120	T24 / JLH : les graines germent difficilement / hard to germinate
21	Acer spicatum	W		120 / 60	T24 / (-E) can grow with only c. 60, very easy
22	Acer sterculiaceum	W		90	(-E) like 7 (true for any sec. Lithocarpa, pretty much). Pericarps should be carefully scarified in spring.

23	Acer tenuifolium	W	120	120	T72
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(-E) : Emery Davis, Maple Society

W : Westonbirt arboretum, England

SHF : Sheffield's Seed Company

SdP : Semences du Puy

JLH : Jean-Louis Hélardot (http://jeanlouis.helardot.free.fr/page_erables/liste.htm)

T24, T72 : trempage dans eau tiède 24 h / 72h - soak in tepid water for 24 hrs / 72 hrs

Warm s. : warm stratification / stratification chaude : 20°C

Cold s. cold stratification / stratification froide : 3-5°C

Sources:

- UBC Maple Forum

- Semences du Puy <https://www.semencesdupuy.com/6-feuillus?q=Cat%C3%A9gories-Acer+%28Erable%29>

- Sheffield's Seed Company https://sheffields.com/data/catalogs/catalog0/full_catalog0.pdf

- Tree Seed Online : https://www.treeseedonline.com/store/c3/Broadleaved_Tree_Seeds_A-I_by_Latin_Name.html

Footnotes:

*1 (zfritz, UBC Maple forum) :

Acer griseum:

"when the stratification period is over, they can be scarified with a little sandpaper and moistened with 10 to 12 drops of 1.6% GA3 per liter of water, that should break the latency and accelerate germination.

There are several articles on the web where it is commented how several palm tree seeds are reproduced with more than 2000 years, and precisely the latency is broken with GA3 gibberellic acid, that we do not forget that it is a PGR and as such we must take due precautions with Its use. "

More from zfritz:

"The GA3 you buy has to be 1.6%. I use GIBEMUR 1.6.

If a different concentration is used, a concentration greater than 300 PPM should not be used.

The effects of GA3 are

- Induction of the elongation of internodes in stems by stimulating cell division and elongation
 - Substitution of the cold or long day needs required by many species for flowering
 - Induction of parthenocarpy in some fruit species
 - Elimination of dormancy presented by the buds and seeds of numerous species
 - Stimulate the production of α -amylase during the germination of cereal grains
 - Delay in fruit ripening
 - Induce masculinity in flowers of monoecious plants
 - They can delay senescence in leaves and citrus fruits.
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January 12th, 2021