

## Rule Change Proposal 4

**Purpose of Proposal:** Add PSU definition, chaffy seed designation, and working weights for *Asclepias syriaca* L. to the AOSA Rules for Testing Seeds.

**Present Rule:** Not in the AOSA Rules for Testing Seeds.

**Proposed Rule:**

Pure Seed #	Chaffy Seed	Kind of seed	Minimum weight for Purity analysis	Minimum weight for noxious-weed seed or bulk examination	Approximate number of seeds per gram	Approximate number of seeds per ounce
3	C	<i>Asclepias syriaca</i> L. common milkweed	14	140	177	5028

**Harmonization statement:** This species is not currently listed in the Federal Seed Act Regulations, the Canadian Methods and Procedures for Testing Seeds, or the International Rules for Seed Testing. This is a species that is sold in the native seed industry in the United States.

**Supporting evidence:**

See Table 1 Weight of eight 100 seed unit replicates of six different seed lots of *Asclepias syriaca*



Plant



Pod



Seed

Table 1 Weight of eight 100 seed unit replicates of six different seed lots of *Asclepias syriaca*

Lot #	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Ave weight	1000 seed weight	Seeds per Gram	Coefficient of Variation
746	0.5616	0.5684	0.5561	0.531	0.5342	0.533	0.5254	0.5245	0.541775	5.41775	184.5784689	3.215341943
CM18W1	0.5612	0.578	0.5767	0.5966	0.5569	0.5445	0.5414	0.5602	0.5644375	5.644375	177.167534	3.268330296
MI1009B	0.5728	0.5504	0.5584	0.5336	0.5631	0.5862	0.5715	0.5355	0.5589375	5.589375	178.91088	3.295513399
A CANADA	0.5671	0.5601	0.5292	0.5464	0.537	0.5405	0.539	0.5566	0.5469875	5.469875	182.8195343	2.384905425
FM011719-1	0.6131	0.6381	0.6154	0.6034	0.5841	0.591	0.6278	0.5821	0.606875	6.06875	164.7785788	3.365954326
649	0.5734	0.6033	0.5475	0.5656	0.5881	0.5518	0.5752	0.5758	0.5725875	5.725875	174.6457965	3.173991302
Average									0.5653	5.6527	177.1501	3.1173

**References:**

<https://strictlymedicalseeds.com/product/milkweed-common-asclepias-syriaca-packet-of-50-seeds-organic/>

<https://austinbotany.wordpress.com/2014/08/27/asclepis-syriaca-common-milkweed/>

<http://www.inspection.gc.ca/plants/seeds/testing-grading/seeds-identification/asclepias-syriaca/eng/1404910220946/1404910222009>

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