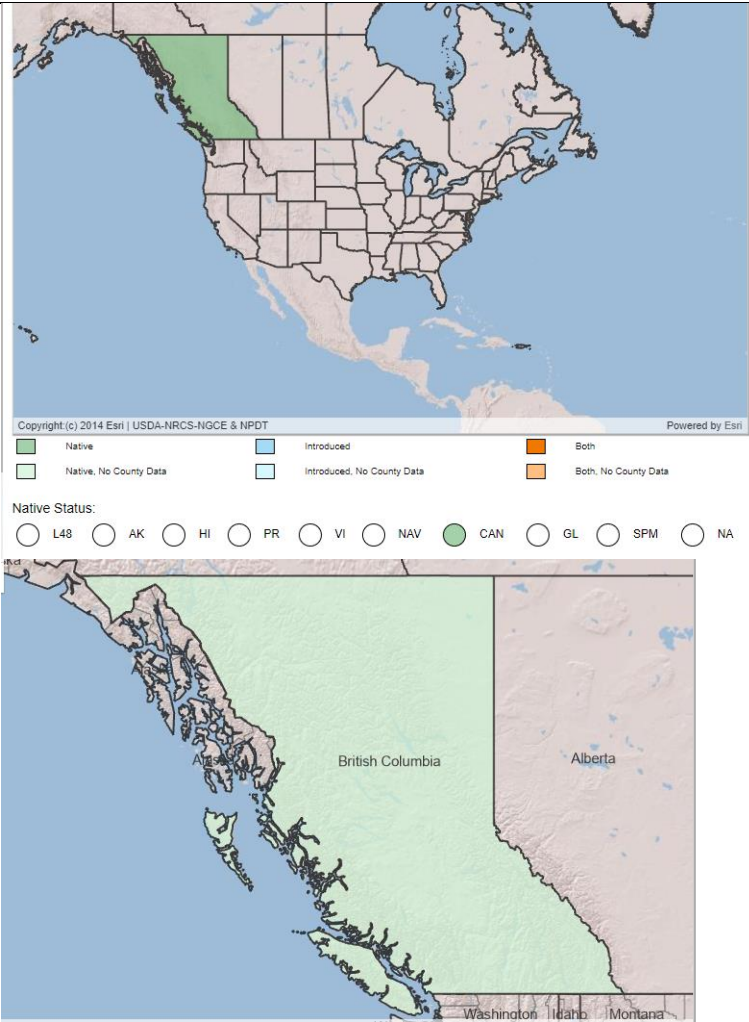


Plant Propagation Protocol for *Crataegus atrovirens*
ESRM 412 – Native Plant Production
<http://courses.washington.edu/esrm412/protocols/2008/CRAT6.pdf>

| | |
|---|--|
| Plant Family | |
| Scientific Name | Rosaceae ^[1] |
| Common Name | Rose family ^[1] |
| Species Scientific Name | |
| Scientific Name | <i>Crataegus atrovirens</i> J.B. Phipps & R. J. O. Kennon ^[1] |
| Varieties | N/A |
| Sub-species | N/A |
| Cultivar | N/A |
| Common Synonym(s) | N/A |
| Common Name(s) | Hawthorn ^[1] , dark-green hawthorn ^[4] |
| Species Code (as per USDA Plants database) | CRAT6 ^[1] |
| Geographical range | |
|  <p>Source: USDA^[1]</p> | |
| Ecological distribution (ecosystems it occurs in, etc) | Native to Canada, British Colombia ^[1] |
| Climate and elevation range | Elevation range is1300 m ^[4] , 1300 feet ^[5] , 300-500 m ^[3] |
| Local habitat and abundance | Locally common in Okanagan ^[3] This species grows mainly in Dry habitats, valleys, and natural hedgerows ^[3] |
| Plant strategy type / successional stage | No information found |
| Plant characteristics | Bloom color is white ^[2] and this species blooms in May, and can reach 15 feet tall ^[2] This species has very large glands on the leaf teeth ^[3] , alternate leaf arrangement ^[2] , as well as small flowers ^[3] |
| PROPAGATION DETAILS | |
| Ecotype | N/A |

| | |
|---|--|
| Propagation Goal | This species is a tree ^{1,2} , but no information was found regarding its propagation. |
| Propagation Method is | no information found |
| Product Type | no information found |
| Stock Type | no information found |
| Time to Grow | no information found |
| Target Specifications | no information found |
| Propagule Collection Instructions | no information found |
| Propagule Processing/Propagule Characteristics | no information found |
| Pre-Planting Propagule Treatments | no information found |
| Growing Area Preparation / Annual Practices for Perennial Crops | no information found |
| Establishment Phase Details | No information found |
| Length of Establishment Phase | No information found |
| Active Growth Phase | no information found |
| Length of Active Growth Phase | no information found |
| Hardening Phase | no information found |
| Length of Hardening Phase | no information found |
| Harvesting, Storage and Shipping | no information found |
| Length of Storage | no information found |
| Guidelines for Outplanting / Performance on Typical Sites | no information found |
| Other Comments | |
| | |
| References | <div>1. <i>Crataegus atrovirens</i> J.B. Phipps & .J.O. Kennon (n.d.). <i>USDA USDA Plants Database</i></div> <div>2. <i>Crataegus atrovirens</i> (2019). https://www.wildflower.org/plants/result.php?id_plant=CRAT6</div> <div>3. <i>Crataegus atrovirens</i>. (n.d.) Flora of North America. http://www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=250100063</div> <div>4. <i>Crataegus atrovirens</i> J.B.Phipps & O’Kennon (2021) GBIF. https://www.gbif.org/occurrence/345671699</div> <div>5. Isotype of <i>Crataegus atrovirens</i> J.B.Phipps & O’Kennon [family ROSACEAE] https://plants.jstor.org/stable/10.5555/al.ap.specimen.mo-176372?searchUri=genus%</div> |
| Other Sources Consulted | <div>- <i>Crataegus atrovirens</i> (n.d.) retrieved from https://www.itis.gov/servlet/SingleRpt/SingleRpt?docId=31738&tid=31738</div> <div>- Native plant database https://grownative.org/native-plant-database-sort-by-scientific-name/</div> <div>- RNGR Database retrieved from https://npn.rngr.net/propagation/protocols?SearchableText=crataegus&getNPNScientificName=Crataegus%20atrovirens</div> |
| Protocol Author | Nawres Abdulmohsin |
| Date Protocol Created or Updated | 5/25/2022 |