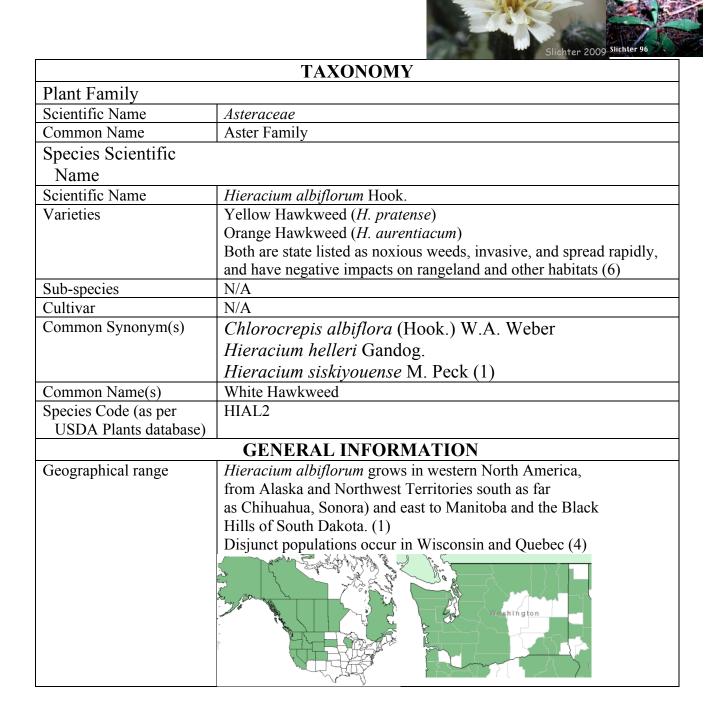
Plant Propagation Protocol for Hieracium albiflorum

ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/HIAL2.pdf



Ecological distribution	Grows in dry to moist, open forests, meadows, wooded slopes,
Leological distribution	clearings, and roadsides. Able to grow in a wide variety of situations.
	(3)
Climate and elevation	Dry, from sea level to 14,000 ft (2)
range	Prefers coarse, well drained soil and partly shady
Local habitat and	Most commonly found under ponderosa pine and lodgepole pine. (3)
abundance	y and a result of the second o
Plant strategy type /	Stress tolerator (3)
successional stage	Early colonizer found in fields, meadows, pastures, forest clearings
	and disturbed areas such as roadsides and abandoned farmland (6)
	High drought tolerance, intermediate shade tolerance (9)
Plant characteristics	Perennial form, flowers in spring (2)
	Grows to 3-4 in height, all hawkweeds are perennials that regrow from
	underground rhizomes. (9)
	Stem slightly to moderately hairy, hairs are at max 2-7 inches long,
	mostly near base, less hairy above. Flowers are composite with
	individual flowers composed of 'strap shaped petals' (9)
	Blooms late spring to summer, one seeded fruit, seeds blow away in
	wind after drying (9).
	White Hawkweed is native, Orange and Yellow Hawkweed are
	invasive (9).
	PROPAGATION DETAILS
Ecotype	N/A
Propagation Goal	N/A
Propagation Method	Naturally, they use seed, stolons to propagate (6)
Product Type	N/A
Stock Type	N/A
Time to Grow	N/A
Target Specifications	N/A
Propagule Collection	Collect seeds in August. Shake flower head into a bag and ripe seeds
Instructions	will fall out easily. Can also collect whole flower heads and remove
	seeds later for more yield (7).
Propagule	Short seed shelf life
Processing/Propagule	
Characteristics	
Pre-Planting Propagule	Sow in fall or moist stratify for 90 days at 1°C and sow in spring (7).
Treatments	
Growing Area	N/A
Preparation / Annual	
Practices for Perennial	
Crops	
Establishment Phase	N/A
Details whtei	
Length of Establishment	N/A
Phase	
Active Growth Phase	N/A

Length of Active Growth Phase	N/A	
Hardening Phase	N/A	
Length of Hardening Phase	N/A	
Harvesting, Storage and	N/A	
Shipping		
Length of Storage	Short	
Guidelines for	N/A	
Outplanting /		
Performance on Typical Sites		
Other Comments	Most all sources found for propagation of this plant warn against	
	propagating. It is considered a noxious weed in many parts of the	
	world. Each plant can produce hundreds of viable seeds. Orange	
	Hawkweed (closely related) is a major concern across interior BC (5).	
INFORMATION SOURCES		
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Other Sources Consulted	
Protocol Author	Stephen Keimach
Date Protocol Created or	5/22/17
Updated	

Previous Protocol:

5/13/2017 Plant Data Sheet

Plant Data Sheet

Species Hieraceum albiflorum, white hawkweed



Range

Alaska east to Saskatchewan, and south to Colorado and California.

Climate, elevation

Low to mid elevations.

Local occurrence (where, how common)

Most commonly found under ponderosa pine and lodgepole pine.

Habitat preferences

White hawkweed grows in dry to moist, open forests, meadows, wooded slopes, clearings, and roadsides.

Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)

Stress-tolerator.

Associated species

Yellow hawkweed (*H. pratense*) and orange hawkweed (*H. aurentiacum*) look very similar to white hawkweed except for flower color, both are state listed noxious weeds and care must be taken to not propagate them.

Other common names include:

None found.

May be collected as:

Seeds.

Collection restrictions or guidelines

Collect seeds in August, depending on elevation and geographic location. Shake flower heads into a paper bag and ripe seeds will fall out easily. You can also simply collect whole flower heads before seeds disperse.

Seed germination (needs dormancy breaking?)

Either sow in the fall or moist stratify for 90 days at 1°C and sow in spring.

Seed life (can be stored, short shelf-life, long shelf-life)

Short self-life.

Recommended seed storage conditions

Not specified.

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Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)
Seed.

Soil or medium requirements (inoculum necessary?)

Installation form (form, potential for successful outcomes, cost)

Recommended planting density

None specified.

Care requirements after installed (water weekly, water once etc.)

None specified.

Normal rate of growth or spread; lifespan

Growth rate moderate, vegetative spread rate moderate.

Sources cited

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