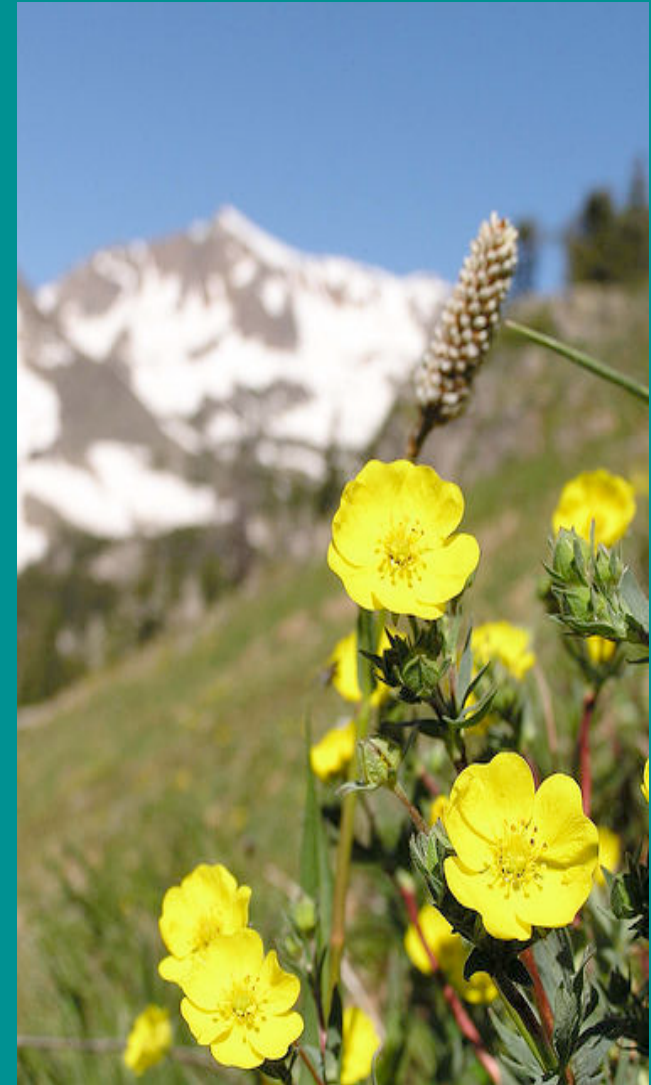


# Keying Potentilla: it's a little hairy

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# Potentilla

- Rosaceae family
- Linnaean name
- 3-5 foliolate compound leaves with dense white tomentum
- Woody base; perfect flowers, petals often larger than sepals
- 10 or more stamens, carpels 10-many
- Fruit is an achene
- Styles are tubular or conical that detach from achene at maturity

# Key from Rosaceae

- A: Shrubs or a dwarf trees, leaves are simple
- A: Herbs with a woody base, leaves are compound
  - B: Inflorescences a dense, spike like head, petals lacking but sepals petaloid
  - B: Inflorescences is not spike like; both petals and sepals are present
    - C: flowers are not perfect
    - C: flowers are perfect
      - D: 5 stamens; 5-20 carpels; petals and sepals are equal length
      - D: 10 or more stamens; 10-many carpels; petals larger than sepals
        - E: Basal leaves ternate
        - E: Basal leaves with more than 3 leaflets
        - F: Style is deciduous and not plumose
- 

.....Potentilla

# Key From *Potenilla*

- A: Petals purple to red
- A: Petals white to yellow
- B: Petioles with short tomentum of floccose hairs; central leaflet not distinctly stipitate
  - .....*P. nivea*
- B: Petioles without floccose hair; upper layer of long straight verrucose hairs; central leaflet is distinctly stipitate
  - .....*P. arenosa*

# *Potentilla nivea*

- Accepted by the Int. Botanical Congress in Vienna 2005
- Petioles with floccose hair & central leaflet is not stipitate.
- Widespread northern N.A., continuous from Bering Strait east to Greenland.



# *Potentilla arenosa*



- Formerly *P. hookeriana*.
- Petioles with long straight verrucose hairs & central leaflet is stipitate.
- Widespread northern N.A. from AK to Greenland

# P. nivea VS. P. arenosa



*P. arenosa* 94268A



*P. nivea* V127387





*P. Arenosa* V131426



*P. nivea* 52474A



*P. nivea* V127387

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