

P.

*radicatum*



P.

*macounii*



P.

*nudicaule*



P.

*alaskanum*

P.

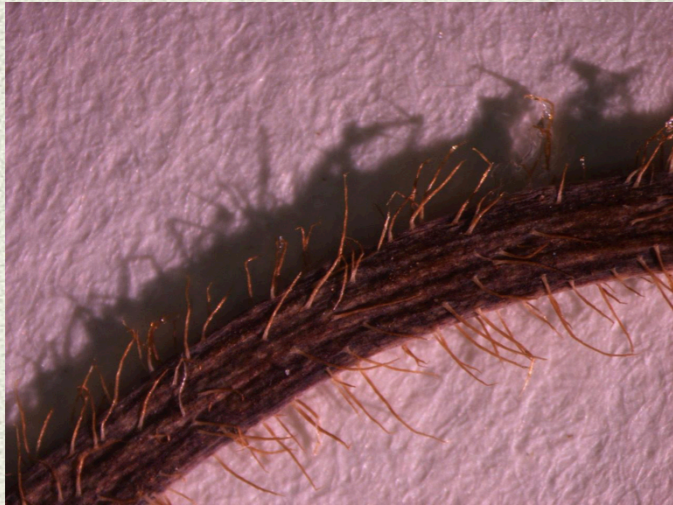
*lapponicum*



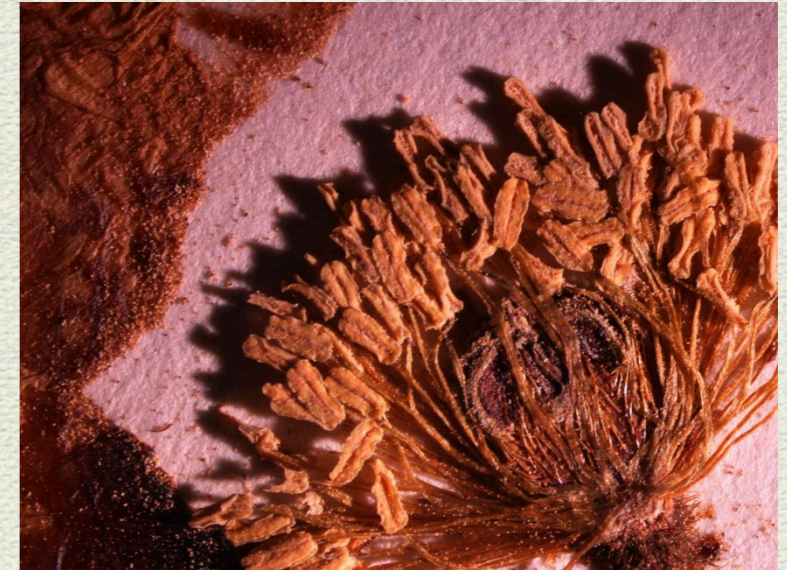
# Papaveraceae

Poppy Family

# Plant Morphology



- Superior Ovary
- Scapose
- Stigmatic disk
- Numerous stamen
- Poricidal Capsule



- Actinomorphic
- Helitropic
- Pubescent stems and leaves



# Species Key

A. Scape 25 cm or taller.....*P. nudicaule*

B. Scape less than 25 cm

B. Capsule with white colored hairs.....*P. alaskanum*

B. Capsule with black to brown hairs

C. Capsule 1 mm or taller, straight stem.....*P. lapponicum*

C. Capsule 1 mm or less

D. Sparsely hairy stem, capsule thinner than wide.....*P. macounii*

D. Curved stem very hairy, egg shaped capsule.....*P. radicum*

# *Papaver nudicaule*

Petals can be orange, yellow, red, white or pink and 4 to 8 cm in diameter.



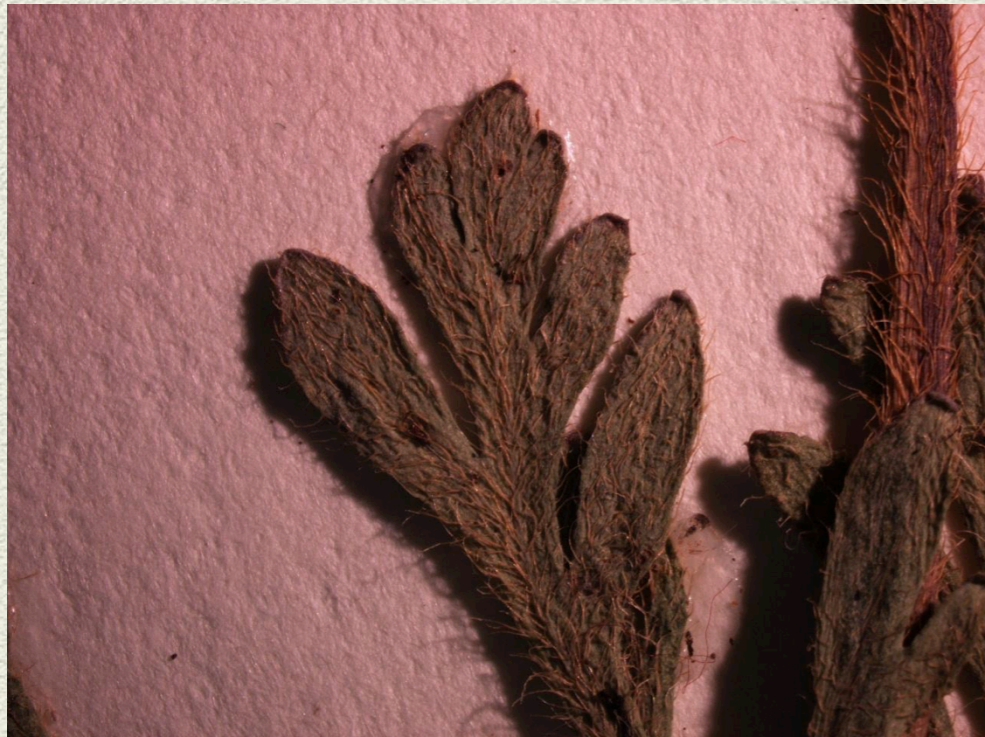
Stem very hairy, leaves hairy to very little, hairs are light brown in color

Scape is greater than 25 cm tall.



Capsule 1 mm with light colored hairs, oval shaped

# Pubescent Variation in *P. nudicaule*



Not  
so  
Hairy



Leaves very hairy



# *Papaver alaskanum*

Large flowers with yellow petals, Scape is 15 cm or less.

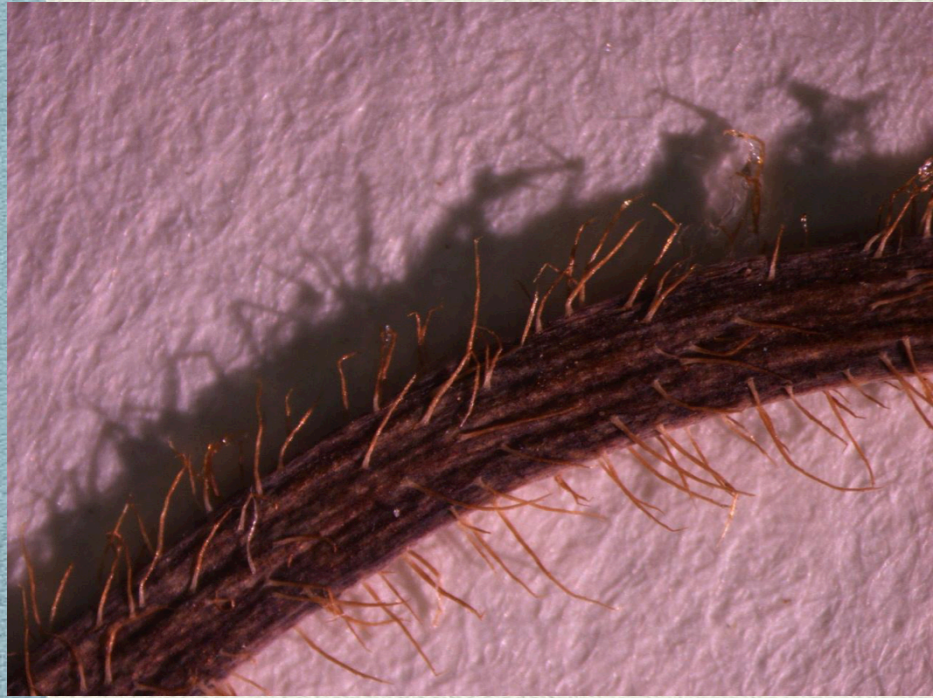


very hairy stems and leaves. Hairs are light brown.

Capsule is 1 mm in length or less with white hairs.



# *Papaver lapponicum*

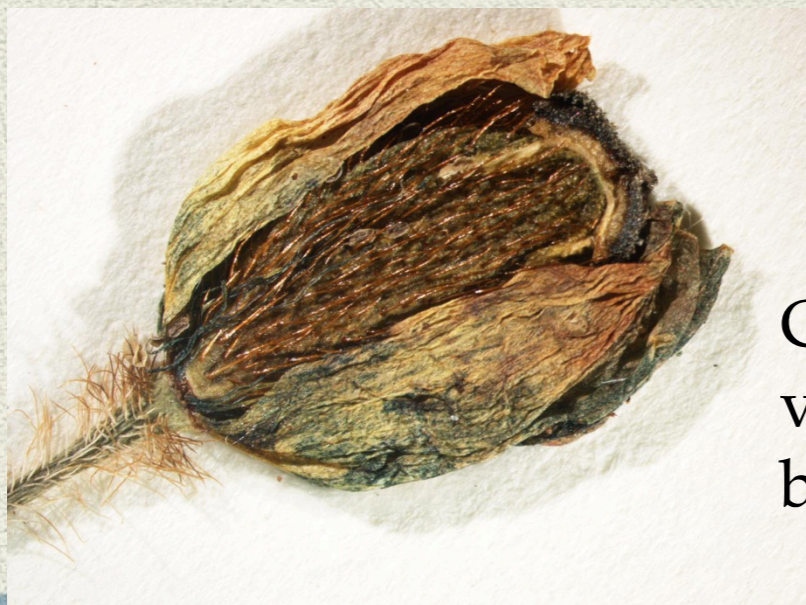


Leaves and stems covered with brown hairs.

Scape is 20 cm or less and stem is straight. Leaves lobed and pinnate with white hairs on both sides.



yellow petals



Capsule is 1 mm tall, very broad with brown hairs.

# *Papaver macounii*

Flowers about 6 cm in diameter, petals yellow. Scape is 15 cm tall or more but less than 25 cm.



leaves are very hairy and pinnately lobed.

Stem has very few hairs



Capsule is less than 1 mm tall, thinner than wide with dark hairs.



# *Papaver radicatum*

Petals yellow, Scape is less than 15 cm with a curved hairy stem.



Capsule is 1 mm or less, smaller at bottom than top (egg shaped) with dark hairs.

stem and leaves pubescent on both sides, leaves lobed with white hairs



# Specimens Used

## *P. nudicaule*

V160990 Carolyn L. Parker, Rob Lipkin, Jim HERRIGES 2007-06-13, unknown 2007-12-03 North America, United States, Alaska, Black River Quad, Specific Locality: Keele Range, Salmon Fork of Black R. headwaters, vic. upper Fort Cr., ca. 6 km SE of VABM Storm

V151828 Mary Beth Cook, Bruce A. Bennett 2002-06-29, unknown, 2007-12-03 North America, United States, Alaska, Charley River Quad, Yukon-Charley Rivers National Preserve Specific Locality: Yukon- Tanana Uplands, Mt. Sorenson, Mt. Sorenson, T2N R24E NW4 NW4 Sec. 15

V119484 Carolyn L. Parker, Alan R. Batten, 2004-10-20 North America, United States, Alaska, Charley River Quad Specific Locality: Tatonduk River, N bank of river, W of Funnel Cr.

## *P. alaskanum*

V308657 Henry C. Kyllingstad 1945-06-26, 3 Kusilivak Mt

V308653 J. P. Anderson 1941-08-15, 7748 Seward

V308655 R. L. Layden 1948-07-09, 183 Tacotna Mt

## *P. lapponicum*

V165869 Alan R. Batten 2009-02-26 North America, United States, Alaska, Philip Smith Mts. Quad, Arctic National Wildlife Refuge, Specific Locality: Atigun Syncline GLORIA summit IMN

# Specimens Used Cont...

V53549 Alan R. Batten 276, 1976-07-01 Mt Michelson Squad Carnivore Creek Floodplain

V53538 Alan R. Batten 554, 1973-07-20 Mt Michelson Squad Chamberlin Creek Drainage

## *P. macounii*

V158186 Reidar Elven on 2006-02-10, 11799, Collectors: David F. Murray, Boris A. Yurtsev, Tass Kelso North America, United States, Alaska, Solomon Quad Specific Locality: Seward Peninsula, Big Creek valley, Kigluaik Mtns., near Salmon Lake

V106572 Kathleen A. Teare 1983-08-02 North America, United States, Alaska, Eagle Quad Specific Locality: Fortymile River, Middle Fork North Fork Fortymile R., T5S,R29E

## *P. radicum*

V148971 Michael Duffy on 2002-01-01 North America, United States, Alaska, Healy Quad, Denali National Park and Preserve Specific Locality: Alaska Range, vic. confl. Calico Cr. with Teklanika R., Transect 02MC065 Stop 01, UTMzone 6, E376002, N7052618

V148880 Michael Duffy, 2002-01-01 North America, United States, Alaska, Healy Quad, Denali National Park and Preserve Specific Locality: Alaska Range, western flanks of Mt. Healy, Transect 02MC054 Stop 01, UTMzone 6, E391697, N7073330

# References

Cody, W. J. (2000) Flora of the Yukon Territory. Ottawa: New Research Press

Hulten, E. (1968) Flora of Alaska and Neighboring Territories. Stanford, CA: Stanford University Press

Ickert-Bond, S. M, C. Parker, M. Durrett and Monte Garrouette. (2015). Bio 331 Lab Manual

Murrell, Z. (2010) Vascular Plant Taxonomy. Dubuque, IA: Kendall Hunt Publishing Company.