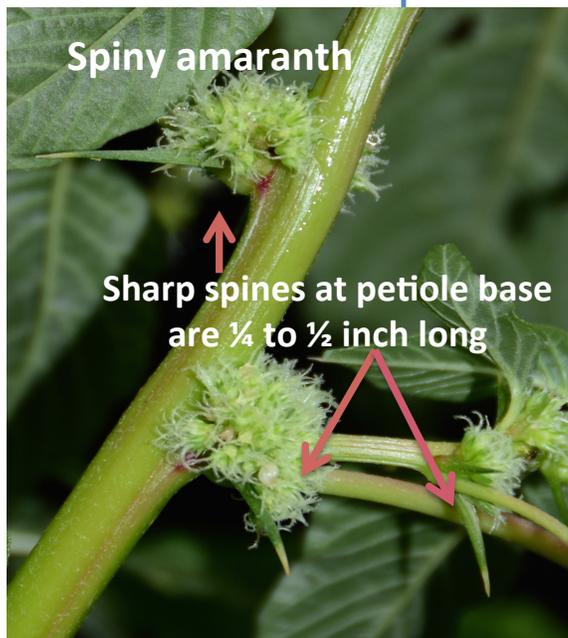
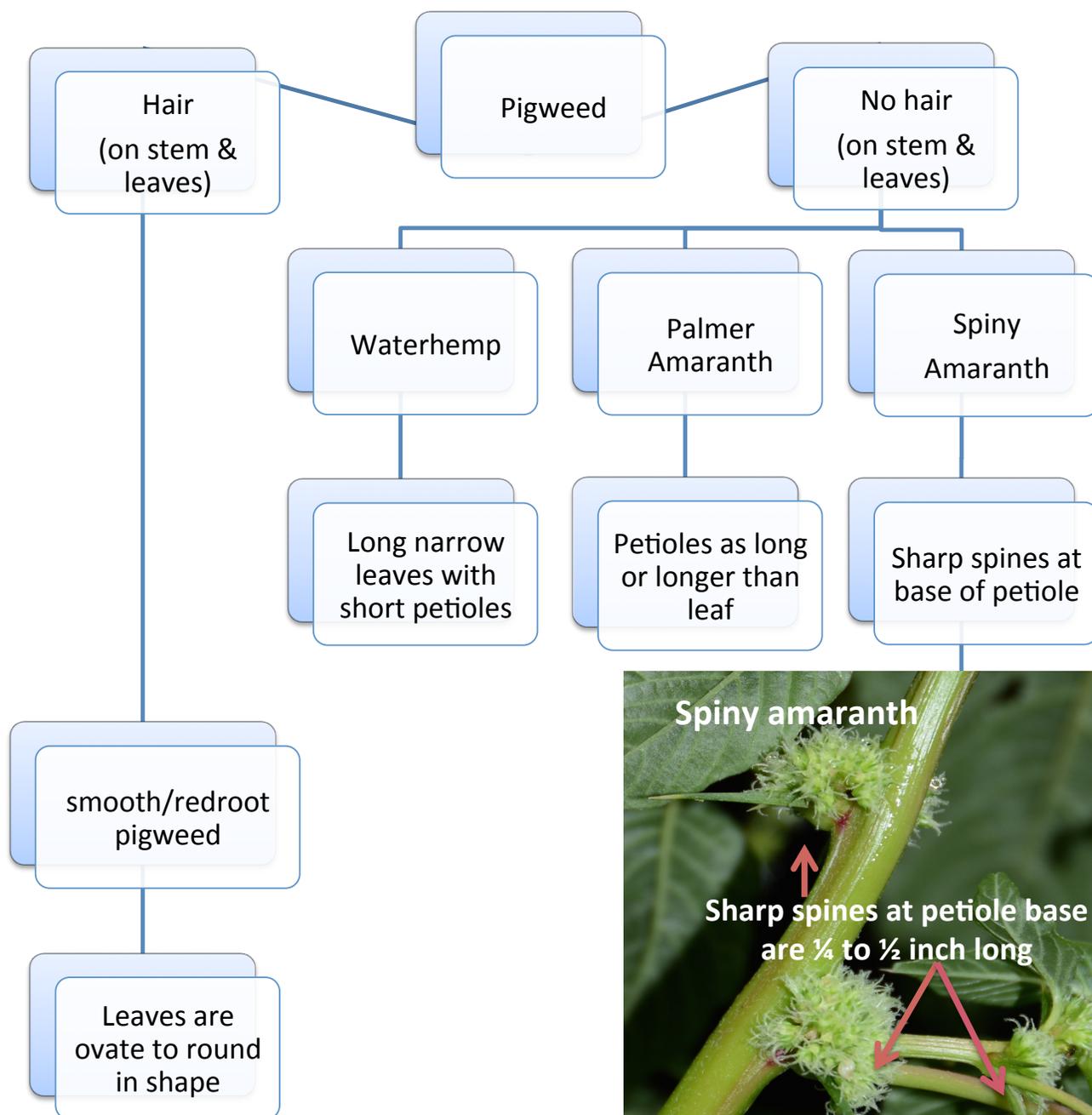




The spread of waterhemp and Palmer amaranth across Ohio is making correct identification of *Amaranthus* (pigweed) species more important. This publication provides tools to help with identification. Hybrids between these species can result in ambiguity, so we encourage you to contact OSU weed scientists for assistance if in doubt.



# Palmer Amaranth

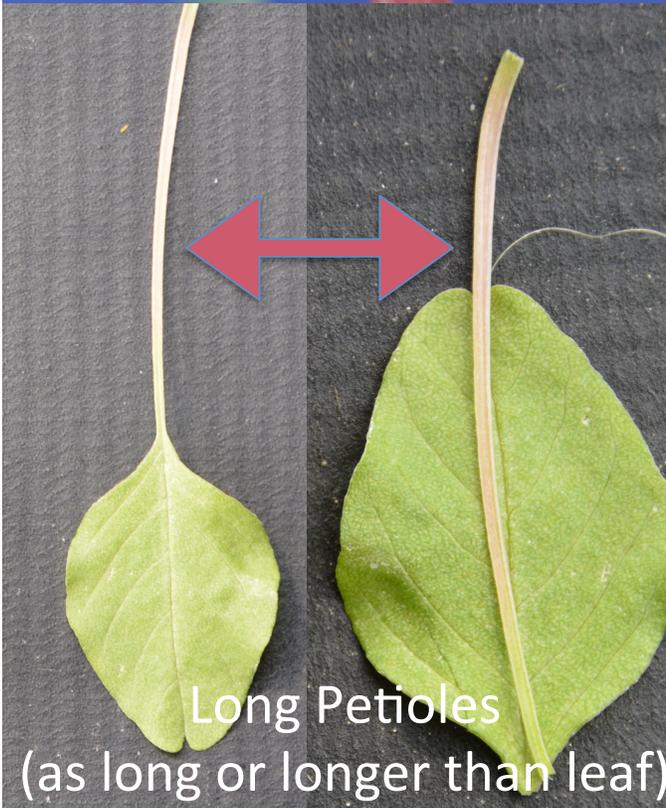
*Amaranthus palmeri*



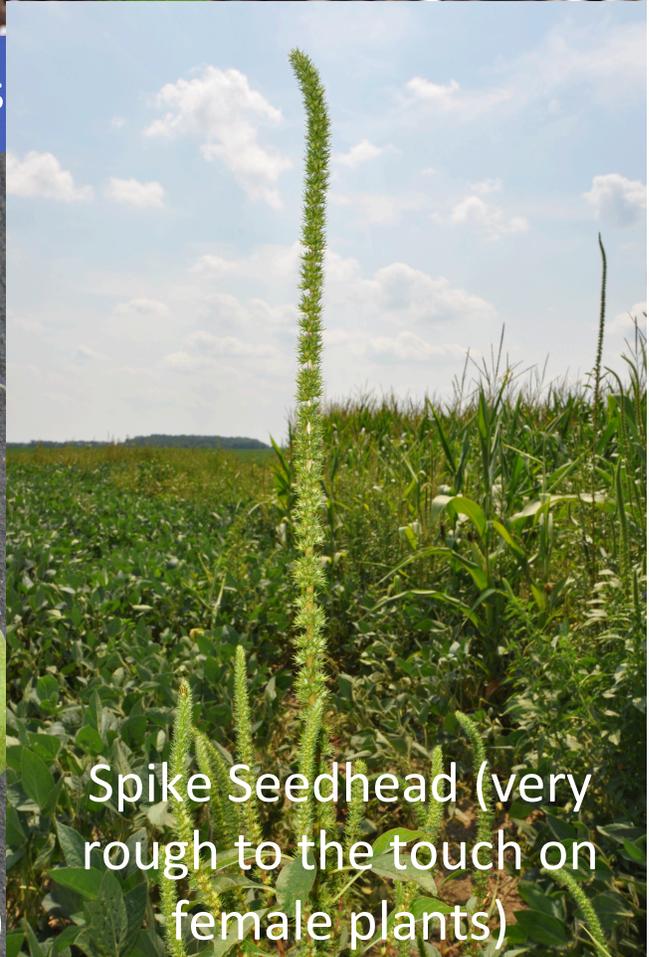
No Hair on Leaves or Stems



Ovate to Diamond Leaves  
(widest near the base)



Long Petioles  
(as long or longer than leaf)



Spike Seedhead (very  
rough to the touch on  
female plants)

# Waterhemp

## *Amaranthus rudis*



No Hair on Leaves or Stems



Male Waterhemp



Female Waterhemp



Long lanceolate leaves



Waxy leaf surface

# Smooth/redroot pigweed

*Amaranthus hybridus/retroflexus*



Fine hairs on stem especially towards newest growth



Round to oval leaves (widest near the middle)



Rough leaf surface



Redroot Pigweed



Smooth Pigweed

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