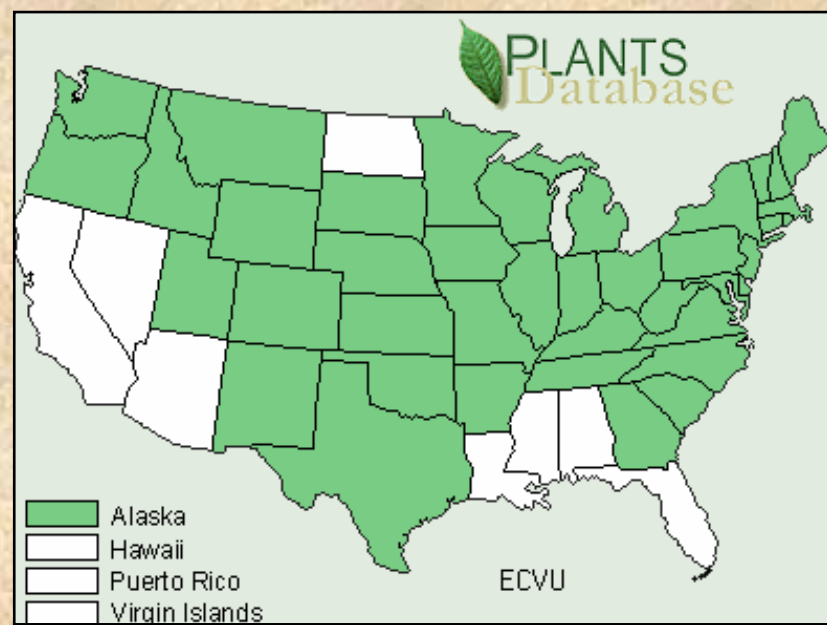


# New Invaders Threatening Utah



# Viper's Bugloss

- *Echium vulgare*
- *Boraginaceae* family
- Non-native
- Annual, biennial, or perennial
- Noxious in 1 (WA) or more states
- Declared invasive in other states
- Other names: blue devil, snake flower, blueweed, blue thistle





**Viper's Bugloss**



**Viper's Bugloss**



**Viper's Bugloss**



**Viper's Bugloss**



**Viper's Bugloss**



**Viper's Bugloss**

# Sulfur Cinquefoil

- *Potentilla recta*
- Perennial 1-2 feet tall
- Well developed rootstocks
- Leaves palmately compound
- Long perpendicular hairs on stem
- Problems in pastures and roadsides
- Spread by seed and rootstocks

# Sulfur Cinquefoil

*Potentilla recta*



**Flowers have 5 petals & deeply lobed**



**Compound leaf, 5 to 7 toothed leaflets**



**Long perpendicular hairs on stems**



**Sulfur-yellow flowers on mature plant**

# Sulfur Cinquefoil





**Sulfur Cinquefoil**

# Common Crupina

- Fall germinating annual
- Introduced 30 years ago
- Spread through Pacific Northwest
- Found on dry south slopes and pastures
- Unpalatable to livestock because of prickly older leaves

# Common Crupina

*Crupina vulgaris*



**Purple ray flowers**



**Fleshy cotyledons, red midrib vein**



**Dark stiff bristled seeds**



**Mature plant dispersing seeds**

# Plumeless Thistle

- Winter annual or biennial
- Grows 1-4 feet tall
- Native of Eurasia
- Seedlings and rosettes have wavy leaves with yellow spines
- Troublesome in Western states

# Plumeless Thistle

*Carduus acanthoides*



**Red flower head sharp bracts**



**Yellow spines**



**Seeds**



**Prolific seed producer**

# Rush Skeletonweed

- Perennial 1-4 feet tall
- Extensive and deep root system
- Leaves and stems exude a milky latex
- Leaves of the stem are inconspicuous
- Problem in rangelands, cultivated fields and roadsides

# Rush Skeletonweed

*Chondrilla juncea*



**Plant in full bloom**



**strap-shaped petals**



**Dandelion-like rosette**



**Mature stemmy plant with small leaves**

# Scotch Broom

- Perennial
- Grows up to 10 feet tall
- Woody shrub, multiple erect branches
- Escaped ornamental
- Widespread problem of the Pacific coast

# Scotch Broom

*Cytisus scoparius*



**Multiple erect branches**



**Yellow, legume flowers**



**Flowers showy and abundant**



**Pods eject seeds several feet from plant**

# Tansy Ragwort

- Biennial - short lived perennial
- Stems 1-6 feet tall
- Deep tap root
- Toxic to cattle & horses
- Problem in rangeland and pastures
- Introduced to U.S. seaports in early 1900's

# Tansy Ragwort

*Senecio jacobaea*



**Flower head**



**Leaves up to 8 inches long**



**Deeply lobed rosette**



**Infests millions of acres in the Pacific Northwest**

