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# *Solanum piurae*

## Common Names

**Code** pur

## Synonyms

**Clade** 3

**Series** Piurana

**Ploidy** Diploid (2x)

**EBN** 2

**Tuberization  
Photoperiod** Unknown

**Self-compatibility** No

**Nuclear Genome** P

**Cytoplasmic  
Genome** Unknown

**Citation** Bitter: Bot. Jahrb. Syst. 54, Beibl. 119:  
5. 1916.



## Description



*Solanum piurae* distribution Map note

*Solanum piurae* (piurae refers to the origin, Piura, Peru) is a species of limited distribution in northern Peru. Plants reach about two and a half feet tall. Flowers white. Berries small and round. Tubers small, white, and mostly moniliform. Native habitat is rocky slopes from 8,200 to 10,800 feet (2500 to 3300 m) (Correll 1962).

Jarvis (2008) predicts that this species will lose 96% of its present range by 2055 due to climate change, most likely entailing a critical loss of genetic diversity.

## Resistances

| Condition  | Type         | Level of Resistance | Source         |
|--|--------------|---------------------|----------------|
| Leptinotarsa decemlineata (Colorado Potato Beetle) | Invertebrate | Somewhat resistant  | Pelletier 2007 |
| Phytophthora infestans (Late Blight)               | Fungus       | Resistant           | Gonzales 2002  |

## Glykoalkaloid content

## Images



*Solanum piurae* berry



*Solanum piurae* tubers

## Cultivation

I have had a hard time getting tubers from this species. It appears to begin tuberizing much later than even most short day species.

## Breeding

### Crosses with *S. tuberosum*

Watanabe (1991) found that 3.5% (which was one one plant) of varieties of this species produced 2n pollen, which would be effectively tetraploid and 4EBN.

| Female                       | Male             | Berry Set | Seed Set | Ploidy | Germ | Source       |
|------------------------------|------------------|-----------|----------|--------|------|--------------|
| <i>S. tuberosum</i> 2x + Sli | <i>S. piurae</i> | Yes       | Moderate |        |      | Ordoñez 2014 |

## Crosses with other species

Female

Male

Berry  
Set

Seed  
Set

Ploidy

Germ

Source

## References

[Solanum piurae at Solanaceae Source](#)

[Solanum piurae at GRIN Taxonomy](#)

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