

Effective January 1, 2024, all NPGS distributions to requestors outside the U.S. will require their acceptance of the ITPGRFA SMTA. [Click here](#) for more information.

[USDA Introduces a Multi-Year Plan to Strengthen U.S. Genebank Management of Plant Germplasm](#)

Details for: GS 2, *Solanum tuberosum* L., US-W4

Summary Passport Taxonomy Other Pedigree IPR Observation

Summary Data

Taxonomy:
[Solanum tuberosum](#) L.
Top Name:
US-W4
Origin:
Developed – Wisconsin, United States
Maintained:
[Potato Germplasm Introduction Station](#)
Received by NPGS:
PRE 1960
Improvement Status:
Genetic material
Life Form:
Annual
Life Cycle:
Annual
Backup Location:
[National Laboratory for Genetic Resources Preservation](#)

Availability

Form	Quantity	Note	Inventory	Cart
In-vitro	3 count		GS 2 1967 IV	

Showing 1 to 1 of 1 entries

Restrictions

Subject to federal import restriction(s)
https://www.aphis.usda.gov/import_export/plants/manuals/ports/downloads/plants_for_planting.pdf

- USA – (Canada; All propagules except seeds)

Plant material may be subject to additional regulations
<https://www.nationalplantboard.org/uploads/1/3/6/7/136771235/mainestatesummary22.docx>

- USA – Maine (See state regulations: Potato Quarantine and Imported Seed Potatoes.)

https://www.nationalplantboard.org/uploads/1/3/6/7/136771235/nevada_state_regulations_npb_13december2023.pdf

- USA – Nevada (See state regulations: Colorado potato beetle, late blight of potato and tomato)

https://www.nationalplantboard.org/uploads/1/3/6/7/136771235/new_jersey_rules_and_regulations_summary_2023.january.20.pdf

- USA – New Jersey (See State Regulation: Tomato Plants)

Images (3 total. Click on image for more.)



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Summary	Passport	Taxonomy	Other	Pedigree	IPR	Observation
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Core Passport Data

Taxonomy:
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Maintained:
[Potato Germplasm Introduction Station](#)
Received by NPGS:
PRE 1960
Improvement Status:
Genetic material
Life Form:
Annual
Life Cycle:
Annual

Source History

Developed
PRE 1960.
Wisconsin, United States

Accession Names and Identifiers

US-W4
Type: Developer identifier

US-W 0004 Minn 20-20-34 haploid
Type: Developer identifier

NSSL 543288
Type: Inventory

Narrative

US-W Haploid

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Summary	Passport	Taxonomy	Other	Pedigree	IPR	Observation
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[Solanum tuberosum](#) L.

Genus:
[Solanum](#)
Subgenus:
[Potatoe](#)
Section:
[Petota](#)
Family:
[Solanaceae](#)
Subfamily:
[Solanoideae](#)
Tribe:
[Solaneae](#)
Nomen number:

103137
Place of publication:

Sp. pl. 1:185. 1753
Protologue link:
<https://biodiversitylibrary.org/page/358204>
Typification:
[View in Linnean Typification Project](#)
Verified:
05/20/1992 by ARS Systematic Botanists.

Other conspecific taxa

[Solanum tuberosum](#) L. subsp. [andigenum](#) (Juz. & Bukasov) Hawkes (1007 active accession[s])
[Solanum tuberosum](#) L. subsp. [chiloense](#) (A. DC.) L. I. Kostina (0 active accession[s])
[Solanum tuberosum](#) L. subsp. [tuberosum](#) (54 active accession[s])

Autonyms (not in current use), synonyms and invalid designations

Heterotypic Synonym(s)

[Solanum ascasabii](#) Hawkes
[Solanum boyacense](#) Juz. & Bukasov
[Solanum choclo](#) Bukasov & Lechn., nom. nud.
[Solanum coeruleiflorum](#) Hawkes
[Solanum estradae](#) L. E. López
[Solanum leptostigma](#) Juz. ex Bukasov, nom. nud.
[Solanum maglia](#) Schlttdl. var. [guaytecarum](#) Bitter
[Solanum molinae](#) Juz.
[Solanum multijugum](#) Bukasov & Bavyko
[Solanum tenuifilamentum](#) Juz. & Bukasov

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Common names

Search:

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Show 10 ▾ entries

Search:

Language	Name	Alternate name	note	Citation
English	potato			McGuffin, M., J. T. Kartesz, A. Y. Leung, & A. O. Tucker. 2000. Herbs of commerce, ed. 2. American Herbal Products Association, Silver Spring, Maryland.

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Summary	Passport	Taxonomy	Other	Pedigree	IPR	Observation
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Annotations

Other Links

Actions

Pathogens

Elisa test

Common Potato Viruses. NEGATIVE 23 Mar 2010. Amy Charkowski lab results: Negative.. Tested for PLRV, PVA, PVM, PVS, PVX and PVY. **Inventory:** GS 2 1967 IV
Common Potato Viruses. NEGATIVE 21 Oct 2015. AGDIA Activity: 2015102105 **Inventory:** GS 2 1967 IV
Common Potato Viruses. NEGATIVE 13 Sep 2018. AGDIA ACTIVITY: 2018082111 **Inventory:** GS 2 1967 IV
Pectobacterium atrosepticum. NEGATIVE 21 Oct 2015. AGDIA Activity: 2015102105 **Inventory:** GS 2 1967 IV
Pectobacterium atrosepticum. NEGATIVE 13 Sep 2018. AGDIA ACTIVITY: 2018082111 **Inventory:** GS 2 1967 IV
Common Potato Viruses. NEGATIVE 13 Sep 2018. AGDIA ACTIVITY: 2018082111 **Inventory:** GS 2 2017 IV

Nucleic Acid Hybridization

PSTVd - Potato spindle tuber viroid. NEGATIVE 17 Jul 2015. AGDIA ACTIVITY 2015071612; PSTVd membrane #07788+07674
Inventory: GS 2 1967 IV
PSTVd - Potato spindle tuber viroid. NEGATIVE 19 Dec 2018. AGDIA ACTIVITY 2018121006; PSTVd membrane #08339
Inventory: GS 2 1967 IV
PSTVd - Potato spindle tuber viroid. NEGATIVE 19 Dec 2018. AGDIA ACTIVITY 2018121006; PSTVd membrane #08339
Inventory: GS 2 2017 IV

PCR test

Clavibacter michiganensis subsp. sepedonicus. NEGATIVE 21 Oct 2015. AGDIA Activity: 2015102105 **Inventory:** GS 2 1967 IV
Clavibacter michiganensis subsp. sepedonicus. NEGATIVE 13 Sep 2018. AGDIA ACTIVITY: 2018082111 **Inventory:** GS 2 1967 IV
PSTVd - Potato spindle tuber viroid. NEGATIVE 01 Jun 2023. PCR analysis by Dr. Alfonso Del Rio **Inventory:** GS 2 2017 IV

Vouchers

Citations

- S. J. Peloquin, R. W. Hougas. 1960. Genetic variation among haploids of the common potato. Amer. J. Potato Res. Vol. 37, 289-97 DOI: [10.1007/BF02855072](#) Number of accessions cited: 1

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Summary Passport Taxonomy Other Pedigree IPR Observation

Observations

Phenotype Data

Show/hide columns

Show 5 rows

Excel

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Search:

Category	Descriptor	Description	Value	Sample Size	Study	Inventory	Availability
CYTOLOGIC	Chromosome Number	Chromosome number of accession (e.g. 24,48,72)	24 - 24 Chromosomes		POTATO.PLOIDY.BAMBERG.2018		Not Available
OTHER	CORE SUBSET	A flag to indicate the accession is part of the core subset	Y - YES, THE ACCESSION IS PART OF THE CORE SUBSET		POTATO.CORE.BAMBERG.96		Not Available
PRODUCTION	Skin color primary	Tuber skin color - primary	yellow - Yellow tuber skin		POTATO.TUBER.EVAL.2015		Not Available
PRODUCTION	Flesh color primary	Tuber flesh color - primary	cream - Cream tuber flesh		POTATO.TUBER.EVAL.2015		Not Available

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