Resource Summary Report

Generated by dkNET on Aug 26, 2026

Crop Ontology

RRID:SCR_010299
Type: Tool

Proper Citation

Crop Ontology (RRID:SCR_010299)

Resource Information

URL: http://purl.bioontology.org/ontology/CO

Proper Citation: Crop Ontology (RRID:SCR_010299)

Description: Ontology that includes crop-specific trait ontologies for several economically important plants like rice, wheat, maize, potato, musa, chickpea and sorghum along with other important domains for crop research such as germplasm, passport, trait measurement scales, experimental design factors etc.

Abbreviations: CO

Resource Type: controlled vocabulary, data or information resource, ontology

Keywords: obo

Resource Name: Crop Ontology

Resource ID: SCR_010299

Alternate IDs: nlx_157378

Alternate URLs: http://cropontology.org/

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260821T193915+0000

Ratings and Alerts

No rating or validation information has been found for Crop Ontology.

No alerts have been found for Crop Ontology.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Mukamuhirwa F, et al. (2025) Genetic control of seed iron and zinc concentration in Rwandan common bean population revealed by the Genome Wide Association Study (GWAS). Breeding science, 75(3), 187.

Gogna A, et al. (2025) Order from entropy: big data from FAIR data cohorts in the digital age of plant breeding. TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik, 138(10), 257.

Menda N, et al. (2025) Post-composing ontology terms for efficient phenotyping in plant breeding. Database : the journal of biological databases and curation, 2025.

Demenkov PS, et al. (2025) SmartCrop: knowledge base of molecular genetic mechanisms of rice and wheat adaptation to stress factors. Vavilovskii zhurnal genetiki i selektsii, 25(8), 1221.

Mansueto L, et al. (2024) Building a community-driven bioinformatics platform to facilitate Cannabis sativa multi-omics research. GigaByte (Hong Kong, China), 2024, gigabyte137.

Larue F, et al. (2024) Linking genetic markers and crop model parameters using neural networks to enhance genomic prediction of integrative traits. Frontiers in plant science, 15, 1393965.

Xie C, et al. (2024) PotatoG-DKB: a potato gene-disease knowledge base mined from biological literature. PeerJ, 12, e18202.

Cooper L, et al. (2024) Planteome 2024 Update: Reference Ontologies and Knowledgebase for Plant Biology. Nucleic acids research, 52(D1), D1548.

Dumschott K, et al. (2023) Ontologies for increasing the FAIRness of plant research data. Frontiers in plant science, 14, 1279694.

Possamai T, et al. (2022) Phenotyping for QTL identification: A case study of resistance to Plasmopara viticola and Erysiphe necator in grapevine. Frontiers in plant science, 13, 930954.

Gong H, et al. (2022) Germplasm Resources and Strategy for Genetic Breeding of Lycium Species: A Review. Frontiers in plant science, 13, 802936.

Fernandez-Pozo N, et al. (2015) The Sol Genomics Network (SGN)--from genotype to phenotype to breeding. Nucleic acids research, 43(Database issue), D1036.