

A01H

NEW PLANTS OR PROCESSES FOR OBTAINING THEM; PLANT REPRODUCTION BY TISSUE CULTURE TECHNIQUES

Definition statement

This place covers:

New non-transgenic plants (including multicellular algae, multicellular fungi and lichens), plant varieties, plant tissue culture and breeding methods, methods for altering phenotypes.

Relationships with other classification places

See also [A01G](#);

References

Limiting references

This place does not cover:

Unicellular algae	C12N 1/12
Fungal microorganisms	C12N 1/14
Culture media for plant cell or plant tissue culture	C12N 5/0025
Plant cells or tissues per se	C12N 5/04
Specific mutations prepared by genetic engineering on plant cell or plant tissues	C12N 15/00
Nucleic acid hybridization assays, detecting genotypes	C12Q 1/68

Informative references

Attention is drawn to the following places, which may be of interest for search:

Influencing the growth of plants without producing new plants, non-chemically.	A01G 7/00
Influencing the growth of plants without producing new plants, chemically.	A01N 25/00 - A01N 65/00

Special rules of classification

[A01H](#) groups and subgroups are globally directed to tissue culture and classical breeding techniques and [C12N 15/82](#) subgroups to transgenics. However the two are not mutually exclusive. For example traits which have been identified and used in transgenics may warrant classification in both areas, as may regeneration methods which are part of a transformation protocol.

Main groups [A01H 5/00](#) through [A01H 17/00](#) are only used for new, non-transgenic, plants (usually varieties)

A01H 1/00

Processes for modifying genotypes ([A01H 4/00](#) takes precedence)

Definition statement

This place covers:

Breeding methods as further defined by the sub-groups.

A01H 1/02

Methods or apparatus for hybridisation; Artificial pollination

Definition statement

This place covers:

Inter alia creation of hybrids, crossing, sterility systems etc.; Apparatus for pollination in [A01H 1/025](#)

Relationships with other classification places

See also [C12N 15/02](#); [C12N 5/04](#); [A01N 25/00-A01N 65/00](#)

A01H 1/04

Processes of selection

Definition statement

This place covers:

Inter alia marker assisted breeding.

Relationships with other classification places

See also [C12Q 1/6895](#); [G01N 33/5097](#);

A01H 1/06

Processes for producing mutations, e.g. treatment with chemicals or with radiation (mutation or genetic engineering [C12N 15/00](#))

Definition statement

This place covers:

Inter alia altering repair and recombination systems.

Relationships with other classification places

See also [C12N 15/00](#); [C12N 15/01](#)

A01H 1/08

Methods or apparatus for producing changes in chromosome number

Definition statement

This place covers:

Inter alia creation of haploids, doubled haploids etc.

Relationships with other classification places

See also [C12N 5/04](#)

A01H 3/00

Processes for modifying phenotypes, {e.g. symbiosis with bacteria} ([A01H 4/00](#) takes precedence; influencing the growth of plants without producing new plants, non-chemically [A01G 7/00](#), chemically [A01N 25/00](#) - [A01N 65/00](#))

Definition statement

This place covers:

Inter alia methods for modifying phenotypes as further defined by subclasses

Relationships with other classification places

See also [A01G 7/00](#); [A01N 25/00](#)-[A01N 65/00](#)

A01H 3/02

by controlling duration, wavelength, intensity, or periodicity of illumination

Relationships with other classification places

See also [C12N 13/00](#)

A01H 4/00

Plant reproduction by tissue culture techniques {; Tissue culture techniques therefor}

Definition statement

This place covers:

Tissue culture techniques, apparatus, culture media for plant reproduction; methods for micropropagation; methods for regeneration to complete plants.

Relationships with other classification places

See also [C12N 5/04](#); [A01G 31/00](#)

A01H 4/001

{Culture apparatus for tissue culture; Culture media therefor}

Relationships with other classification places

See also [C12M 1/00](#); [C12M 3/00](#); [C12N 5/0025](#); [A01N 25/00](#)-[A01N 65/00](#)

A01H 4/003

{Cutting apparatus specially adapted for tissue culture}

Relationships with other classification places

See also [C12M 1/00](#); [C12M 3/00](#);

A01H 4/005

{Methods for micropropagation; Vegetative plant propagation using cell or tissue culture techniques}

Relationships with other classification places

See also [C12M5/04](#)

A01H 4/006

{Encapsulated embryos for plant reproduction, e.g. artificial seeds}

Relationships with other classification places

See also [A01C 1/06](#)

A01H 4/008

{Methods for regeneration to complete plants}

Relationships with other classification places

See also [C12N 5/04](#)

A01H 5/00

Angiosperms, i.e. flowering plants, characterised by their plant parts;
Angiosperms characterised otherwise than by their botanic taxonomy

Definition statement

This place covers:

New non-transgenic angiosperms further sub-divided according to their products

A01H 7/00

Gymnosperms, e.g. conifers

Definition statement

This place covers:

New non-transgenic gymnosperms

A01H 9/00

Pteridophytes, e.g. ferns, club-mosses, horse-tails

Definition statement

This place covers:

New non-transgenic pteridophytes

A01H 11/00

Bryophytes, e.g. mosses, liverworts

Definition statement

This place covers:

New non-transgenic bryophytes

A01H 13/00

Algae (unicellular algae [C12N 1/12](#))

Definition statement

This place covers:

New non-transgenic algae

Relationships with other classification places

See also [A01G 33/00](#); [C12N 5/04](#)

A01H 15/00

Fungi; Lichens (fungal microorganisms [C12N 1/14](#))

Definition statement

This place covers:

New non-transgenic fungi or lichens

A01H 17/00

Symbiotic or parasitic combinations including one or more new plants, e.g. mycorrhiza (lichens [A01H 15/00](#))

Definition statement

This place covers:

New non-transgenic symbiotic or parasitic combinations including one or more new plants