

International Community of Breeders of Asexually Reproduced Ornamental and Fruit Plants

Views of CIOPORA on essentially derived varieties

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EDV as part of the horizontal protection of Plant Breeders' Rights

Article 14 Scope of the Breeder's Right

(1) [Acts in respect of the propagating material] (a) Subject to Articles 15 and 16, the following acts in respect of the propagating material of the protected variety shall require the authorization of the breeder:

- (i) production or reproduction (multiplication), (ii) conditioning for the purpose of propagation,
- (iii) conditioning for the purpose of propagati (iii) offering for sale,
- (iv) selling or other marketing,
- (v) exporting,
- (vi) importing,
- (vii) stocking for any of the purposes mentioned in (i) to (vi), above.
- (2) [Acts in respect of the harvested material] ...
- (3) [Acts in respect of certain products] ...
- (4) [Possible additional acts] ...

EDV as part of the horizontal protection of Plant Breeders' Rights

(5) [Essentially derived and certain other varieties]

(a) The provisions of paragraphs (1) to (4) shall also apply in relation to

(i) varieties which are **essentially derived** from the protected variety, ...,

(ii) varieties which are **not clearly distinguishable** in accordance with Article 7 from the protected variety and

(iii) varieties whose production requires the **repeated use** of the protected variety.

EDV as part of the horizontal protection of Plant Breeders' Rights Art.14 (5) = Extension of the protection to

- varieties not clearly distinguishable from the protected variety and
- > EDVs of the protected variety
- ▷ [Hybrids]

Corresponding provision

Article 15 Exceptions to the Breeder's Right

(1) [Compulsory exceptions] The breeder's right shall not extend to (i) ..., (ii) ... (iii) acts done for the purpose of breeding other varieties, and, <u>except where the provisions</u> of Article 14 (5) apply, acts referred to in Article 14 (1) to (4) in respect of such other varieties.

EDV as part of the horizontal protection of Plant Breeders' Rights

In other words:

- The scope of protection covers
 - (of course) the protected variety,
 - varieties not clearly distinguishable from it
 - and EDV [and hybrids] thereof.
- Everybody can breed new varieties by using a protected variety, but shall not commercialize these new varieties if they are
 - not clearly distinguishable from it, or
 - EDV [and hybrids] thereof.





- The commercialization of an EDV requires the authorization of the title-holder of the Initial Variety.
 - Variety (EDV) limits the breeders' exemption
- Is it fair that a new and unique variety is dependent from a protected initial variety?
- > Main issue: mutants and GMO



Essentially Derived Varieties

- Mutations of an innovative initial variety can take a big market share of the initial variety, with low costs
- The breeder of the innovative initial variety will not earn a similar return on investment, if his market is shared by low-cost mutations
- It is therefore fair that the original breeder of the innovative variety receives his share from the commercialization of the mutations
- A good protection system protects the innovative breeder, but also allows EDV to be developed - for the benefit of the original breeder, the developer of the EDV and the growers!



Essentially Derived Varieties

Basis for future discussions in UPOV:

[Extract of the explanatory notes on Article 5 "Effects of the Right Granted to the Breeder" presented in document IOM/IV/2, "Revision of the Convention"]

"(ii) <u>the derived variety must retain almost the totality of the genotype of</u> the mother variety and be distinguishable from that variety by a very limited number of characteristics (typically by one)"

c. Conformity to the initial variety

ISF is fully supportive of the statement in UPOV document IOM/IV/2 that an EDV will have a difference of only one or a few phenotypic characteristics compared to the initial variety*.

*ISF View on Intellectual Property, Adopted in Rio de Janeiro, Brazil, 28 June 2012

Essentially Derived Varieties"One difference" limits the EDV concept as far as even possible "One or a few" [differences] is directed solely towards preventing plagiarism. Linking EDV with plagiarism is erroneous, because for the holder of a protected variety it makes no difference whether the plagiaristic variety originates from his variety or from other varieties. Plagiarism is a matter of Minimum Distance, and not a matter of EDV. UPOV and its members must clarify this!



Other open issue: non-protected EDV

- Proper variety denomination of non-protected EDV
- Description for non-protected EDV
- Register for non-protected EDV
- Varieties, which are not clearly distinguishable from non-protected EDV

Essentially Derived Varieties

Article 14 (5) (b) of the UPOV 1991 Act

A variety shall be deemed to be essentially derived from another variety ('the initial variety') when

- it is predominantly derived from the initial variety, or from a variety that is itself predominantly derived from the initial variety, while retaining the expression of the essential characteristics that result from the genotype or combination of genotypes of the initial variety
- > it is clearly distinguishable from the initial variety
- except for the differences which result from the act of derivation, it conforms to the initial variety in the expression of the essential characteristics that result from the genotype or combination of genotypes of the initial variety.

Essentially Derived Varieties

What was in the mind of the founding fathers

- Nobody knows...
- Probably they were "confused", especially if one looks now back on UPOV IOM/6/2 (1992), especially to the examples detailed in the annex...
- No such "nice" examples anymore in UPOV/EXN/EDV/1 (2009), so maybe they were really confused...

What I was told EDV was about...

- Mutants and somaclonal variants in fruit and ornamentals
- Short cut breeding upto "midnight breeding"
- Plagiarism (?)
- Genetic transformation

And... EDV is all about genetic conformity !!!



























