

Seeds & Planting Materials Usage in Organic Farming- NPOP-EU-NOP Regulations.			
Feature/Regulation Aspect	India (NPOP)	EU (Regulation No. 2018/848)	USA (NOP Section 205-204)
Primary Rule	Always prioritize certified organic seeds and planting materials if available.	Must use certified organic seeds and plant materials.	Must use organically grown seeds, annual seedlings, and other planting stock.
GMOs & its derivatives	Strictly prohibited.	Strictly prohibited.	Prohibited under NOP for organic.
Adaptation & Diversity	Choose species/varieties well-suited to local soil/climate; embrace genetic diversity.	Choose varieties suited to local conditions, resistant to pests/diseases; prioritize genetic diversity.	Not explicitly detailed but implied through organic principles.
Conventional/Non-Organic Use Derogation/Exceptions	Allowed only if certified organic options are not available, and they must be chemically untreated. Inform Certifying Body (CB).	Allowed if certified organic seeds/plant materials (excluding seedlings) are genuinely unavailable in quantity/quality. Must check national databases. Must be untreated with prohibited chemical plant protection products, unless legally required for plant health reasons by competent authority. Requires prior authorization.	Allowed if an equivalent organic variety is not commercially available. Non-organically produced seeds/planting stock must be untreated. Edible sprouts MUST always be from organic seed. Can be treated with substances allowed on the National List if organic/untreated equivalent isn't available. Temporary variance for annual seedlings.

Authorization for Non-Organic Use	Inform Certifying Body (CB) in system plan each season.	Prior authorization from competent authority or control body before sowing. Granted for one season, to individual users, quantities recorded.	No explicit prior authorization mentioned for commercial unavailability, but temporary variance requires official approval.
Organic Breeding	Not explicitly mentioned in the provided NPOP text.	If developing new organic varieties, breeding process itself must be done under organic conditions, focusing on natural traits and adaptation.	Not explicitly mentioned in the provided NOP text regarding breeding methods.
Organic Heterogeneous Material (OHM)	Not mentioned.	Special category (OHM) with simplified marketing; doesn't need registration/certification. Notification process to official bodies, acknowledgment, and listing.	Not mentioned.
Perennial Crops	Not explicitly mentioned.	Specific conditions for using non-organic or different varieties during conversion, requiring notification and separation measures. Longer organic material generation period.	Non-organic planting stock for perennial crops can only be sold/labeled as organic after being managed organically for at least one year.

Phytosanitary Requirements	Not explicitly mentioned how this interacts with chemical treatment restrictions for non-organic materials.	Non-organic material can be chemically treated if a competent authority legally requires it for plant health reasons for all varieties of a species.	If planting materials were treated with prohibited substances due to Federal or State phytosanitary regulations, they can still be used.
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