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GrainPro bags GrainPro (Philippines) Provides bags and coverings that have a very low permeability for moisture and oxygen Kills also insects www.grainpro.com https://www.youtube.com/watch?v=iEb-Fs0TXC4

Summary: Seed Drying and Longevity

- Seeds have a finite lifetime
- Seeds absorb and lose moisture in response to the humidity of their environment
- Seed longevity is very sensitive to moisture content and temperature
- Packaging to prevent moisture absorption extends storage life
- Low temperatures extend storage life
- Low oxygen level extends lifetime (with dry seeds)
- Hermetic packaging prevents moisture uptake and oxygen entry
- Seed storage behaviour can be estimated (approximately) using the seed viability equation and species specific constants
- Seeds can deteriorate via diverse mechanisms; reactive oxygen species leading to membrane, DNA and protein oxidation is a likely common mechanism



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