

Impact of Temperature & Relative Humidity on seed of Pongamia pinnata: Pongamia pinnata: Role of temperature and relative humidity on Seed longevity



Pongamia pinnata is an important minor non-edible oilseed tree. This tree is valued not only for its oil but also for its nitrogen fixing ability, reclamation of degraded land and soil erosion restriction capabilities. So, the Conservation of this wonderful crop is essential and seed is the most common and economical method of conservation. Seed storage problems are most common in tropical countries like India, because of predominance of hot and humid tropical and subtropical climate with great variations in temperature, rainfall and relative humidity across the year. So, this study involves investigation of affect of various storage conditions on seed viability to get useful information regarding the relative contribution of these factors to loss of seed viability and vigour during storage. The study provides in depth analysis of various biochemical changes take place during storage of Pongamia pinnata seeds.

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Germination and seed storage behaviour in Pongamia pinnata L Pongamia pinnata: Role of temperature and relative humidity on Seed investigation of affect of various storage conditions on seed viability to **Search results for Pongamia pinnata - MoreBooks!** Bookcover of The Effect of Rapid Urbanisation on Educational Infrastructure Impact of Temperature & Relative Humidity on seed of Pongamia pinnata. Pongamia pinnata: Role of temperature and relative humidity on Seed longevity. **Effect of Storage Condition and Duration on Seed Germination of** The seed viability and seedling vigour parameters were considerably reduced in all accessions at high relative humidity irrespective . to investigate the effect of temperature and relative humidity . Similar work on storage behaviour of Pongamia pinnata seeds also revealed comparable results of decline. **Click here to download the article - Current Science** Key words : Moisture, Pongamia pinnata, seed, storage, temperature. 1NBPGR, Pusa Campus, New Delhi .. Further, seed moisture. content is a function of relative humidity and it Effects of storage temperature on soybean. seed vigour and **Pongamia pinnata : A Candidate Tree for Biodiesel Feedstock (PDF** The variability in seed storage behaviour of different species of Brassica The seed viability and seedling vigour parameters were . to investigate the effect of temperature and relative humidity . Similar work on storage behaviour of Pongamia pinnata seeds also revealed

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Result temperature, relative humidity and seed moisture content (Ellis and Roberts, effect of adverse climatic conditions (such as short mini-droughts **Search results for Spondias pinnata - MoreBooks!** Impact of Temperature & Relative Humidity on seed of Pongamia pinnata. Pongamia pinnata: Role of temperature and relative humidity on Seed longevity. **Search results for Relative Humidity - MoreBooks!** Therefore, exposure of seed to high temperature and high moisture content in the seed effects the drying of seed during processing and seed-viability during storage. the effect of relative humidity on seed drying and transit storage. .. Similar work on storage behaviour of Pongamia pinnata seeds also **Impact of Temperature & Relative Humidity on seed of Pongamia** The seed viability pattern, physiological and biochemical parameters under different conditions were monitored at regular intervals to deterioration during storage of Karanj (Pongamia pinnata L.) seed. undertaken to study the effect of temperature and relative At high relative humidity of 75% there was a significant. **Germination and seed storage behaviour in Pongamia pinnata L.** Impact of Temperature & Relative Humidity on seed of Pongamia pinnata. Pongamia pinnata: Role of temperature and relative humidity on Seed longevity. **Search results for Pongamia Pinnata - MoreBooks!** temperature, relative humidity and seed moisture content (Ellis and Roberts, effect of adverse climatic conditions (such as short mini-droughts **Storage temperature and relative humidity affects - NRCS - USDA** Key words : Moisture, Pongamia pinnata, seed, storage, temperature . incubator at 27+30C and 100% relative RJ-7 (Sub Humid Southern Plain and Aravalli Hill Zone, Udaipur, Rajasthan) Central Plateau and Hill Region. Z5 .. content is a function of relative humidity and it Effects of storage temperature on soybean. **Role of Relative Humidity in Processing and Storage of Seeds and** Impact of Temperature & Relative Humidity on seed of Pongamia pinnata. Pongamia pinnata: Role of temperature and relative humidity on Seed longevity. **Role of Relative Humidity in Processing and Storage of Seeds and** However, the seeds of P. pinnata suffer from germination and storage problems. climatic conditions, such as temperature, rainfall and relative humidity, which anatomical structure and biochemical composition of the seeds, which affect In addition, a quick viability (TTC) test was performed to assess seed viability 6 . **Publication (PDF): Physiological and biochemical changes in seeds** The seed viability pattern, physiological and biochemical parameters under different conditions were monitored at regular intervals to assess the effect of storage. higher values for viability and vigour over 5.5% and 75% RH at all temperatures. in seeds of karanj (Pongamia pinnata) under different storage conditions. **Search results for Rapid Temperature Processing (RTP)** edible tree borne oil seed among which Pongamia pinnata has a lot of potential. Pongamia . stored seed^{10,11}. The longevity of stored seeds of any crops of air temperature and relative humidity in storage¹². Higher seed **Search results for humidity - MoreBooks!** The seed viability and seedling vigour parameters were Therefore, exposure of seed to high temperature and high moisture conditions will cause to assess the effect of relative humidity on seed drying and transit storage. . Similar work on storage behaviour of Pongamia pinnata seeds also revealed **Impact of Temperature & Relative Humidity on seed of Pongamia** Germination and seed storage behaviour in Pongamia pinnata L. Curr. Effect of chloride and sulphate salinities on seed germination of Acacia viability of witchweed seeds as affected by temperature and relative humidity during storage. **Seed viability and oil content in seeds of Pongamia pinnata of five 13_chapter - Shodhganga** Germination and seed storage behaviour in Pongamia pinnata L. Pongamia as temperature, rainfall and relative humidity, which temperature oven method. Chilling Table 4. Effect of chilling on seed viability of P. pinnata. **Role of Relative Humidity in Processing and Storage of Seeds and** The seed viability and seedling vigour parameters were Therefore, exposure of seed to high temperature and high moisture conditions will cause to assess the effect of relative humidity on seed drying and transit storage. . Similar work on storage behaviour of Pongamia pinnata seeds also revealed **Role of Relative Humidity in Processing and Storage of Seeds and** Pongamia pinnata is an important minor non-edible oilseed tree. Impact of Temperature & Relative Humidity on seed of Pongamia pinnata the relative contribution of these factors to loss of seed viability and vigour during storage. Effect of kola nut and caffeine diets on locomotion and anxiety The **Role of Relative Humidity in Processing and Storage of Seeds and** Storage temperature and relative humidity affects the rate afterripening and viability of Heteropogon contortus seeds. Orville C. Baldos*. University of Hawaii **Role of Relative Humidity in Processing and Storage of Seeds and** oil seed, such as Pongamia (Pongamia pinnata), is explored along with meeting . 30 2C temperature, in 7080% relative humidity planted in the spring season resulted in 100% .. Effect of seed size on germination, viability and seedling. **Advances in Agriculture Research and Application: 2012 Edition - Google Books Result** Impact of Temperature & Relative Humidity on seed of Pongamia pinnata investigation of affect of various storage conditions on seed viability **Impact of Temperature & Relative Humidity on seed**

Germination and seed storage behaviour in Pongamia pinnata L. Pongamia temperature, rainfall and relative humidity, which temperature oven method. Chilling Table 4. Effect of chilling on seed viability of P. pinnata. **Seed viability and oil content in seeds of Pongamia pinnata of five** growth of plants in stress soil and different issues on Pongamia pinnata. 2.2. .. Seed moisture has a greater effect than temperature on seed longevity. Most relationship between atmospheric relative humidity and seed moisture content.