

Factors Affecting Seed Germination

There are 4 major factors that affect germination.

1. **Moisture:** Be sure to spray/mist the soil surface with water every 2-3 days. A dormant seed only contains 10-15% of water and is essentially dehydrated. The seed has to absorb water in order to germinate correctly. **Do not overwater.** Most seeds do not like wet feet.
2. **Soil temperature:** The best temperature needed for Adenium and Plumeria seeds is 80 to 95 degree Fahrenheit. If your soil is too cold or too hot, your seeds may not sprout.
3. **Air:** Proper air flow and oxygen is required. The seeds obtain oxygen that is dissolved in water and from the air contained in the soil. If soil conditions are too wet, an anaerobic condition persists, and seeds may not be able to germinate. Good air circulation is necessary to prevent fungus and damping off of the seeds.
4. **Light:** Adenium and Plumeria seeds prefer 40-60% light for germination. So they shouldn't be covered with too much soil. Only use enough soil to barely cover the seeds, preventing them from blowing away. The seeds should never be buried deeply.

A FEW IMPORTANT TIPS TO HELP YOUR NEW SEEDS GERMINATE:

- NEVER allow the soil to completely dry out,
- DO NOT allow the soil to get soggy and very wet,
- DO NOT place your newly planted seeds in the sun,
- IF PLANTING INDOORS do not place in direct sun but in a well-lighted location,
- DO NOT plant your seeds too deep,
- MAKE SURE seeds are lightly covered with a small amount of light medium,
- DO NOT allow the soil to get too compacted,
- DO keep your seeds in your refrigerator until ready to plant.
- DO soak your seeds for 1-2 hours before planting.

A good 'seed soak' would be 1 teaspoon of Hydrogen Peroxide in 16 ounces of pure water.

Sprinkling a light covering of cinnamon powder over the soil, after planting your seeds, will help prevent 'damping off' and help kill any pathogens in your soil

Sterilize your soil to kill pathogens, germs, weeds and weed seeds.

Obviously, we cannot guaranty germination but following these helpful tips should greatly improve your chances for success.

For more information including picture galleries, natural techniques & remedies for your garden, and our newsletters with additional natural plant pesticides and fungicides visit our website: www.adeniumplumeriaplants.com.

Feel free to email us at info@plantniche.com with any questions or requests you may have. We appreciate the opportunity to provide you with excellent service. Thank You.