

Wild Species Working Group

Players: ISTA - AOSA - SCST - KEW

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Presented at: 2016 Western Meetings
Kansas City, MO
November 5, 2016



KEW Millennium Seedbank Partnership - Wakehurst

Preliminary Goals

- Create Wild Species Handbook
 - Virtual
 - In-depth chapters describing testing methods
 - Purity
 - Germination/Dormancy
 - Pre-TZ
 - Cut test
 - TZ
 - Embryo Excision
 - X-ray



Preliminary Goals

▫ Protocols

- Scientific names: Current and synonyms
- Known provenance – known origin
 - Protocols with optimal methods suitable for different areas
- Validation of germination protocols
- Purity – Pure Seed Unit and Working Weights

Preliminary Goals

- KEW's Millennium Seedbank collects species world wide
 - Found germination protocols for 15,000 species
 - Has 1000 seed weights of many of these species
 - Translates into working weights
 - Photos of seeds
 - All species admitted into the KEW Millennium Seedbank are verified by taxonomists
 - A sortable database of photos of these species
 - Will help seed labs identify species tested and contaminants more accurately

Availability of a Virtual Handbook

- Access by subscription
- Always the latest version
- Allow more color pictures
- Videos could be used to show analysts proper methodology of testing methods
- Scientific names can always be up-to-date through downloads

Survey

- Majority of seed companies sold natives species solely in country
- 17% companies sold some natives in other countries
- 68% companies feel there is a lack of methods to test natives
- Lack of uniformity in testing natives
- Standard methods world-wide may not be appropriate approach

Native Seed Workshop

- At annual AOSA/SCST/ISTA meeting next June 16-18 in Denver
 - Watch for updates on workshop on AOSA or SCST web page
 - Workshop is totally dedicated to discussing seed testing of native species

Reaching out for help

- Workshop and Wild Species Working Group need financial support to be successful
 - Virtual handbook requires a dedicated server
 - Web page set up and programming costs
 - Travel
 - Hire people to help find protocols in database
- Thank you to those who have already helped
- We could use all of your help – Please help spread the word...

THANK YOU!!!



Lychnis flos-cuculi - Ragged robin



Mucuna urens - Hamburger bean