

SeedResQ

Part I: 17-21 September 2018

Part II : 05-09 November 2018



*Seed Captain Course on SeedResQ hosted by
International Seed Academy (ISA)*

**What is the biggest
and unavoidable cost
for seed companies?**

**Personnel?
R&D?
Travel?
Legal?**

**NO!
It is ...**

**INVENTORY
WRITE-OFF!!!**



Seed companies destroy between 30% and 60% of their inventory each year, just because the seed is obsolete or more often, unsuitable for sales!

Seed is a living organism. It breathes, it catches diseases, it ages, it dies....

How can we keep it alive and in good shape as long as possible?

How can we minimize further deterioration and slow down the aging?

How can we save the good seeds out of a bad lot?

What can be the cause of poor quality and how to prevent next time?

This is what we propose to review and answer with you during our SeedResQ course. You will attend demonstrations and participate hands-on, in some of the proposed methods. This will take place in Bangkok, Thailand over ten days in September and November 2018.

Registration

Including the course document, hotel and meals... Early registration fee is US\$5,200, advised since the number of participants is limited to a maximum of 16 and first come first served basis will be apply.

Contact

Please send your registration to info@seedacademy.org or by fax+ 66 2 531 2570

"Tell me and I forget

Show me and I may remember

Involve me and I understand."

SeedResQ

Tentative agenda

Part I: 17-21 September 2018

THAILAND

How to identify lots with potential problems and identifying the source of these problems.

Day 1	Seed quality tests Common sense and ISTA rules Seed physiology Seed development & maturation, seed damage & repair ...
Day 2	Seed vigor Mean germination time, tetrazolium test, oxygen consumption ...
Day 3	Seed drying and storage Seed aging, triangle of optimal seed storage conditions
Day 4	Seed pathology Seed health testing, seed pathology, insects, fungi, bacteria ...
Day 5	Bringing it all together in one complete scheme

Part II : 05-09 November 2018

THAILAND

How to upgrade existing seed lots to an acceptable quality and how to avoid these problems in the future.

Day 6	Basic cleaning and upgrading methods Grading, polishing, de-awning, indent, horizontal belt ...
Day 7	Density related sorting Air channels, gravity table, liquid density separation ...
Day 8	Sorting based upon visual aspects Color sorting, Chlorophyll sorting, X-ray sorting ...
Day 9	Sorting based on advanced technologies Multispectral sorting, Seed priming and dormancy breakage ...
Day 10	Bringing it all together in one final overview

CONTENT AND TOPICS

PRELIMINARY, ITEMS CAN CHANGE

- **Seed development & morphology**
- **Seed maturation and chlorophyll fluorescence**
- **Seed germination processes**
- **Seed dormancy**
- **Seed priming**
- **Mean germination time**
- **Oxygen consumption**
- **Ethanol assay**
- **Seed drying fast or slow**
- **Seed aging and shelf life**
- **Environmental effects**
- **Modelling seed ageing**
- **Damage and repair**
- **Tetrazolium test**
- **Seed pathology**
- **Insects, fungi, bacteria, viruses**
- **Seed health testing**

CONTENT AND TOPICS

PRELIMINARY, ITEMS CAN CHANGE

- Seed health treatments (chemical, physical and biological)
- Mapping out a problem chart
- Adding methods for determination of quality issues
- Overview and comments
- Grading
- Polishing and de-awning
- Indent and horizontal belt
- Seed extraction
- Air channels
- Gravity table
- Liquid Density Separation
- Color sorting
- Camera aided sorting
- X-ray sorting
- CF Sorting
- Multispectral sorting
- Mapping out the solution chart