

भारत सरकार राष्ट्रीय बीज अनुसंधान एवं प्रशिक्षण केन्द्र कृषि मंत्रालय कृषि एवं सहकारिता विभाग जी.टी. रोड, कलेक्ट्री फार्म, पोस्ट आफिस इन्डस्ट्रीयल इस्टेट, वाराणसी 221 106 (उ.प्र.)	 सत्यमेव जयते	<b>GOVERNMENT OF INDIA</b> <b>NATIONAL SEED RESEARCH &amp; TRAINING CENTRE</b> <b>MINISTRY OF AGRICULTURE</b> (Dept. of Agriculture and Co-opn.) G.T. Road, Collectry Farm, P.O. Industrial Estate, VARANASI- 221 106 (U. P)
Tel. (O) : 0542-2370222 E-mail: dir-nsrtc-up@nic.in	(R) : 0542-2373846 bhaskm@yahoo.co.in	Fax: 0542-2370298 website: www.dacnetnic.in/nsrtc

**Dr. M. BHASKARAN**

File No. 6-1/2008-NSRTC

**DIRECTOR**

Date: 18.08.2008

Sub: Organizing **National Training – Schedule of Training Programme during 2008 – 09** –  
 Intimation for deputation of Officials from your organization – regarding.

Dear Sir,

I wish to inform that the National Seed Research and Training Centre (NSRTC), Govt. of India, Ministry of Agriculture, Department of Agriculture and Co-operation, Varanasi is going to organize various five training courses viz., **1. Seed Quality Regulation, 2. Seed Testing, 3. Seed Law Enforcement at NSRTC, Varanasi; 4. Seed Health Testing at Tamil Nadu Agricultural University (TNAU), Coimbatore; and 5. Varietal Purity Testing- Testing of specified traits at Central Institute of Cotton Research (CICR), Nagpur, Maharashtra** during 2008-09 as per the schedule mentioned below. The schedule dates are tentative and the final date will be confirmed along with selected participant's invitation from the concerned Institutes after the registration.

**Schedule for various 5-days National Training proposed to be organized at NSRTC, Varanasi; CICR, Nagpur and Seed Centre, TNAU, Coimbatore during 2008-09.**

Sl. No.	Details of Training	*Tentative date of Training	Last date for Registration **on or before	Venue / Place to be organized
1.	Seed Quality Regulation	<b>5- days</b> – 24 <sup>th</sup> to 28 <sup>th</sup> November, 2008	25 <sup>th</sup> September, 2008	NSRTC, Varanasi
2.	Seed Testing	<b>5- days</b> – 24 <sup>th</sup> to 28 <sup>th</sup> November, 2008	25 <sup>th</sup> September, 2008	NSRTC, Varanasi
3.	Seed Law Enforcement	<b>5-days</b> – 9 <sup>th</sup> to 13 <sup>th</sup> February, 2009	10 <sup>th</sup> November, 2008	NSRTC, Varanasi
4.	Seed Health Testing	<b>5 days</b> – 5 <sup>th</sup> to 9 <sup>th</sup> January, 2009	14 <sup>th</sup> November, 2008	Seed Centre, TNAU, Coimbatore
5.	Varietal Purity Testing – Testing of Specified Traits	<b>5 days</b> – 23 <sup>rd</sup> to 27 <sup>th</sup> February, 2009	30 <sup>th</sup> November, 2008	CICR, Nagpur, Maharashtra
6.	NSRTC – Seed Congress	<b>2- days</b> – 21 <sup>st</sup> to 22 <sup>nd</sup> December, 2008	Will be communicated separately	UAS, Bangalore

\* The dates are tentative and will be confirmed while informing the selected participants.

\*\* Registration form received after the last date will not be considered / accepted.

The objective of the training is to offer hands –on training and update knowledge and skills of the officials and Seed Analysts who are working in various organizations on Seed Quality Regulation, Seed Testing, Seed Law Enforcement, Seed Health Testing and Varietal Purity Testing.

Further, the out come of the training with all these personnel will pave way to strengthen the total seed quality management at National level to assure the availability of high quality seeds and improved planting materials as per the need of hour to the farming communities.

Further, in order to utilize the expertise and infrastructure facilities available in the notified and competent laboratories of the various reputed Institutions, this year we have identified TNAU, Coimbatore to organize the National training on Seed health testing and CICR, Nagpur for "Varietal Purity Testing – Testing of Specified Traits" on behalf of NSRTC.

Hence, the interested Organizations can depute / nominate their officials to register for the respective training with the concerned Institutes directly and the details are given in the enclosed announcement brochures and also can view through our website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc).

**Last date for registration and maximum permissible for each course is as per the schedule given in the annexure. The selected candidates after the registration will be intimated separately from the concerned training organising institute separately and only those selected candidates shall be allowed for participation in the training with proper relief from their parental organization.**

With best regards,

Yours Sincerely,



Encl.: Training Announcement

(Dr. M. BHASKARAN)  
DIRECTOR

To

The Secretaries / Directors of Agriculture of all the States / Union Territories, State Seed Certification Agencies/ NSC/ SFCI/ SSCs'/SAUs'/Public and private seed organisations.



DIRECTOR



**GOVERNMENT OF INDIA**  
**National Seed Research & Training Centre**  
**MINISTRY OF AGRICULTURE,**  
Department of Agriculture and Cooperation  
G. T. Road, Collectry Farm,  
VARANASI – 221106 (U.P.)

**Announcement of the NSRTC Training on**

**1. “Seed Quality Regulation”**

Date: November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days) - Tentative

**2. “Seed Testing”**

Date: November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days) - Tentative

**3. “Seed Law Enforcement”**

Date: February, 9<sup>th</sup> to 13<sup>th</sup> 2009 (5 days) - Tentative

Location: Above 3 Trainings at NSRTC, Varanasi (U.P.)

and

**4. “Seed Health Testing”**

Date: January, 5<sup>th</sup> to 9<sup>th</sup> 2009 (5 days) - Tentative

Location: Seed Health Unit, Seed Centre, TNAU, Coimbatore, Tamil Nadu

**5. “Varietal Purity Testing – Testing of Specified Traits”**

Date: February, 23<sup>rd</sup> to 27<sup>th</sup> 2009 (5 days) - Tentative

Location: CICR, Nagpur, Maharashtra

**A National Centre for Seed Quality Regulation and  
Training Human Resources**

The National Seed Research and Training Centre, Government of India, Ministry of Agriculture Department of Agriculture and Cooperation, Varanasi has a great pleasure to announce the NSRTC training courses on “**Seed Quality Regulation**” to be held from **November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days)**, “**Seed Testing**” to be held from **November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days)** and “**Seed Law Enforcement**” to be held from **February, 9<sup>th</sup> to 13<sup>th</sup> 2009 (5 days)** in the NSRTC, Varanasi campus and training courses on “**Seed Health Testing**” to be held from **January, 5<sup>th</sup> to 9<sup>th</sup> 2009 (5 days)** at **Seed Health Unit, Seed Centre, TNAU, Coimbatore**, and “**Varietal Purity Testing – Testing of Specified Traits**” to be held from **February, 23<sup>rd</sup> to 27<sup>th</sup> 2009 (5 days)** - at **CICR, Nagpur, Maharashtra** (the dates are tentative).

This training courses is for the officials who are engaged in the seed production, seed quality regulation and testing programme at Central and State Government Organizations / Institutions, State Agricultural University's, ICAR Institutes, public and private seed sectors at National level. The aim of the course is to provide hands-on experience and up-date the knowledge and skills of Seed Analysts, Seed Testing Officers, Seed Technologists and seed quality regulation personnel of various agencies and straightened cooperation, uniformity and information exchange in the field of seed quality control and testing at National level. It is intended for colleagues working on seed production and / seed quality control and testing in government organizations / public and private seed sectors.

It is designed to provide participants with the knowledge and skills for effective seed production and assessment of seed quality aspects, understand better seed quality assessment system, and improve the present system to meet international standards. Considering the above participants should be actual technicians/analysts/technologists with at least a basic knowledge on experience in seed production and quality regulation and testing.

**The training course is limited to only 25 participants at NSRTC and 30 participants at Seed Health Unit, Seed Centre, TNAU, Coimbatore, and CICR, Nagpur, Maharashtra. The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participant who has received official selection communication will only be allowed to attend the training courses after proper relief from their parental organization. Participation for the training for chosen candidates will be free of charge and will include lectures, practical exercises, field visits, the course material, daily working lunches and coffee breaks. Participants are personally responsible for travel arrangements and for covering the accommodation, break fast, dinner and any other charges extra during the training period.**

Seed Technologists / Analysts / Technicians can apply for the participation with the attached registration form and short curriculum vitae about their working experiences and technical duties which they performed in their laboratory/ working places. Kindly send the registration form as soon as possible but latest as per the schedule to the NSRTC for 3 trainings to be organized at NSRTC, Varanasi and for other two trainings to the Special Officer (Seeds), TNAU, Coimbatore and Director, CICR, Maharashtra respectively. For further information please do not hesitate to contact the NSRTC Directorate / our website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc). To save time registration through on line via e-mail: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in) for NSRTC trainings and [seedunit@tnau.ac.in](mailto:seedunit@tnau.ac.in) at TNAU, Coimbatore and [cicrngp@rediffmail.com](mailto:cicrngp@rediffmail.com) for CICR, Nagpur, Maharashtra for respective training is preferable. Complete postal address to send the filled in registration form to the respective trainings as per detailed below:

**THE DIRECTOR**

**National Seed Research & Training Centre**

Govt. of India, Ministry of Agriculture,  
Department of Agriculture and Cooperation,  
Collectry Farm, P.O. Industrial Estate,  
Varanasi – 221106 (U.P.), India.

Phone : 0542-2370222; Fax: 0542-2370298

E-mail : [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in) ; Website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc)

**The Special Officer (Seeds),  
Seed Centre,**  
Tamil Nadu Agricultural University,  
Coimbatore – 641003, Tamil Nadu  
Phone: 0422- 6611232 / 6611432  
Fax: 0422-6611432  
E-mail: [seedunit@tnau.ac.in](mailto:seedunit@tnau.ac.in)

**The Director  
Central Institute for Cotton Research**  
(Indian Council of Agricultural Research)  
Post Bag No. 2, Shankar Nagar Post Office  
Nagpur - 440 010 (Maharashtra) INDIA  
Phone: 07103-275536, 275538, 275549  
FAX: 07103-275529, TELEGRAM: KAPASSANSTHAN  
Web: [www.cicr.gov.in](http://www.cicr.gov.in); Email: [cicrngp@rediffmail.com](mailto:cicrngp@rediffmail.com)

### **Considered Training Course Content:**

The course shall provide general information and hands-on experience in various techniques for “*Seed Quality Regulation, Seed Testing, Seed Law Enforcement, Seed Health Testing and Varietal Purity Testing*”. This training courses shall give an overview on the role of seed quality control and seed testing in the seed sector, rules for sampling and seed testing, principles and practice on seed production quality, pre and post harvest handling techniques for seeds, varietal purity testing methods, seed health testing, the ISTA accreditation standard establishment and the infrastructure and management of a seed testing laboratory. These will cover:

- Seed development programme and quality regulation
- Seed production, pre and post harvest seed handling techniques
- Mixing and dividing techniques for obtaining homogenous representative sample
- Seed sampling and methods
- Seed quality determination tests- purity, moisture, germination etc.,
- Germination testing, methods, media and evaluation.
- Use of tolerance tables, calculation and reporting results
- Genetic purity test : GOT, ODV and Molecular marker
- Tetrazolium testing for quick evaluation.
- Seed Health Test methods and evaluation.
- Varietal purity testing for specific traits including GMO Crop Seeds.
- Seed law enforcement for GM Crops
- Seed Law enforcement and seed industry management
- ISTA Accreditation Standard, Quality Assurance in the laboratory, Staff & infrastructure.
- SedNet Portal India on seed quality regulation.

### **Accommodation:**

**NSRTC Hostel price is Rs. 30/day per participants and for TNAU and CICR centers as per their existing rates. Participants are personally responsible for the travel arrangements and for covering the accommodation fee and hotel accommodation if they want to stay outside.**

**The training course is limited to only 25 participants in each course at NSRTC and 30 Nos. at TNAU and CICR. The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training courses after proper relief from their parental organization.**

**NATIONAL SEED RESEARCH AND TRAINING CENTRE**  
**Govt. of India, Ministry of Agriculture**  
**Department of Agriculture and Cooperation**  
**VARANASI (U.P.)**

**NATIONAL TRAINING ON**

**“Seed Quality Regulation”**

Date: November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days) - Tentative

Location: NSRTC, Varanasi (U.P.), India

**REGISTRATION FORM**

(PLEASE FILL THE FORM IN CAPITAL LETTERS- **Separate form for each course**)

**Last date for registration is 25<sup>th</sup> September, 2008- Registration through Speed post and online registration via e-mail is preferable: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in)**

Name:		
Position/Designation:		
Company/Institution:		
Address:		
Postal code:		
Phone / Mobile number:	Fax number:	
E-mail:		
Accommodation in NSRTC hostel:	Yes .....	No.....

Note: The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training with proper relief from their parental organization. Delay due to postal / courier NSRTC will not be held responsible.

Route map to reach NSRTC: Cantt Railway Station to Allahabad G.T. Road, Collectry Farm

Airport: Pre-paid taxi/auto available in Airport, distance: 30 Km

Railway Station / City bus stand: Distance 6 Km Taxi / auto available.

If you are interested in this training please send this registration form to:

**The Director,**  
**National Seed Research and Training Centre,**  
**G.T. Road, Collectry Farm, P.O. Industrial Estate,**  
**Varanasi – 221 106 (U.P.)**

Phone: 0542-2370222

Fax: 0542-2370298

E-mail: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in) ; Website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc)

- Note:**
1. Maximum number of participants is 25 Nos. only.
  2. Participants are personally responsible for travel arrangements and for covering the accommodation fee.
  3. There will be presentation and interaction among trainees. Hence, the participants shall bring the presentation materials of their own choice in relevance to seed industry, seed quality regulation and testing.

**NATIONAL SEED RESEARCH AND TRAINING CENTRE**  
**Govt. of India, Ministry of Agriculture**  
**Department of Agriculture and Cooperation**  
**VARANASI (U.P.)**

**NATIONAL TRAINING ON**

**“Seed Testing”**

Date: November, 24<sup>th</sup> to 28<sup>th</sup> 2008 (5 days) - Tentative

Location: NSRTC, Varanasi (U.P.), India

**REGISTRATION FORM**

(PLEASE FILL THE FORM IN CAPITAL LETTERS- **Separate form for each course**)

**Last date for registration is 25<sup>th</sup> September, 2008- Registration through Speed post and online registration via e-mail is preferable: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in)**

Name:		
Position/Designation:		
Company/Institution:		
Address:		
Postal code:		
Phone / Mobile number:	Fax number:	
E-mail:		
Accommodation in NSRTC hostel:	Yes .....	No.....

Note: The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training with proper relief from their parental organization. Delay due to postal / courier NSRTC will not be held responsible.

Route map to reach NSRTC: Cantt Railway Station to Allahabad G.T. Road, Collectry Farm

Airport: Pre-paid taxi/auto available in Airport, distance: 30 Km

Railway Station / City bus stand: Distance 6 Km Taxi / auto available.

If you are interested in this training please send this registration form to:

**The Director,**  
**National Seed Research and Training Centre,**  
**G.T. Road, Collectry Farm, P.O. Industrial Estate,**  
**Varanasi – 221 106 (U.P.)**

Phone: 0542-2370222

Fax: 0542-2370298

E-mail: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in) ; Website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc)

- Note:**
1. Maximum number of participants is 25 Nos. only.
  2. Participants are personally responsible for travel arrangements and for covering the accommodation fee.
  3. There will be presentation and interaction among trainees. Hence, the participants shall bring the presentation materials of their own choice in relevance to seed industry, seed quality regulation and testing.

**NATIONAL SEED RESEARCH AND TRAINING CENTRE**  
**Govt. of India, Ministry of Agriculture**  
**Department of Agriculture and Cooperation**  
**VARANASI (U.P.)**

**NATIONAL TRAINING ON**

**“Seed Law Enforcement”**

Date: February, 9<sup>th</sup> to 13<sup>th</sup> 2009 (5 days) - Tentative

Location: NSRTC, Varanasi (U.P.), India

**REGISTRATION FORM**

(PLEASE FILL THE FORM IN CAPITAL LETTERS- **Separate form for each course**)

**Last date for registration is 10<sup>th</sup> November, 2008- Registration through Speed post and online registration via e-mail is preferable: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in)**

Name:	
Position/Designation:	
Company/Institution:	
Address:	
Postal code:	
Phone / Mobile number:	Fax number:
E-mail:	
Accommodation in NSRTC hostel:	Yes ..... No.....

Note: The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training with proper relief from their parental organization. Delay due to postal / courier NSRTC will not be held responsible.

Route map to reach NSRTC: Cantt Railway Station to Allahabad G.T. Road, Collectry Farm

Airport: Pre-paid taxi/auto available in Airport, distance: 30 Km

Railway Station / City bus stand: Distance 6 Km Taxi / auto available.

If you are interested in this training please send this registration form to:

**The Director,**  
**National Seed Research and Training Centre,**  
**G.T. Road, Collectry Farm, P.O. Industrial Estate,**  
**Varanasi – 221 106 (U.P.)**

Phone: 0542-2370222

Fax: 0542-2370298

E-mail: [dir-nsrtc-up@nic.in](mailto:dir-nsrtc-up@nic.in) ; Website: [www.dacnet.nic.in/nsrtc](http://www.dacnet.nic.in/nsrtc)

- Note:**
1. Maximum number of participants is 25 Nos. only.
  2. Participants are personally responsible for travel arrangements and for covering the accommodation fee.
  3. There will be presentation and interaction among trainees. Hence, the participants shall bring the presentation materials of their own choice in relevance to seed industry, seed quality regulation and testing.

**Seed Centre,  
Tamil Nadu Agricultural University,  
Coimbatore – 641 003, Tamil Nadu, India**

**NATIONAL TRAINING ON**

**“Seed Health Testing”**

Date: January 5<sup>th</sup> to 9<sup>th</sup> 2009 (5 days) - Tentative

Location: Seed Centre, TNAU, Coimbatore

**REGISTRATION FORM**

(PLEASE FILL THE FORM IN CAPITAL LETTERS- **Separate form for each course**)

**Last date for registration is 14<sup>th</sup> November, 2008 - Registration through Speed post and online registration via e-mail is preferable: [seedunit@tnau.ac.in](mailto:seedunit@tnau.ac.in)**

Name:	
Position/Designation:	
Company/Institution:	
Educational qualification and experience	
Address:	
Postal code:	
Phone / Mobile number:	Fax number:
E-mail:	
Accommodation in TNAU hostel:	Yes ..... No.....

Note: The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training with proper relief from their parental organization. Delay due to postal / courier Seed Centre, TNAU will not be held responsible.

If you are interested in this training please send this registration form to:

**The Special Officer (Seeds),  
Seed Centre,  
Tamil Nadu Agricultural University,  
Coimbatore- 641003, Tamil Nadu  
Phone: 0422- 6611232 / 6611432 Fax: 0422-6611432  
E-mail: [seedunit@tnau.ac.in](mailto:seedunit@tnau.ac.in)**

- Note:**
1. Maximum number of participants is 30 Nos. only.
  2. Participants are personally responsible for travel arrangements and for covering the Accommodation, break fast, dinner fee, any other charges extra during the training period.
  3. There will be presentation and interaction among trainees. Hence, the participants shall bring the presentation materials of their own choice in relevance to seed industry, seed quality regulation and Seed Health Testing.

**Central Institute for Cotton Research,  
(Indian Council of Agricultural Research),  
Post Bag No. 2, Shankar Nagar Post Office,  
Nagpur – 440010, Maharashtra**

**NATIONAL TRAINING ON**

**“Varietal Purity Testing – Testing of Specified Traits”**

Date: February 23<sup>rd</sup> to 27<sup>th</sup> 2009 (5 days) - Tentative

Location: Central Institute for Cotton Research, Nagpur, Maharashtra

**REGISTRATION FORM**

(PLEASE FILL THE FORM IN CAPITAL LETTERS- **Separate form for each course**)

**Last date for registration is 30<sup>th</sup> November, 2008 - Registration through Speed post and online registration via e-mail is preferable: [cicrngp@rediffmail.com](mailto:cicrngp@rediffmail.com)**

Name:	
Position/Designation:	
Company/Institution:	
Educational qualification and experience	
Address:	
Postal code:	
Phone / Mobile number:	Fax number:
E-mail:	
Accommodation at CICR, Nagpur:	Yes ..... No.....

Note: The participants will be selected based on the eligibility will receive separate communication. Only those finally selected participants will be allowed to attend the training with proper relief from their parental organization. Delay due to postal / courier CICR, Nagpur will not be held responsible.

If you are interested in this training please send this registration form to:

**The Director**

**Central Institute for Cotton Research**

(Indian Council of Agricultural Research)

Post Bag No. 2, Shankar Nagar Post Office

Nagpur - 440 010 (Maharashtra) INDIA

Phone: 07103-275536, 275538, 275549 FAX: 07103-275529

TELEGRAM: KAPASSANSTHAN Email: [cicrngp@rediffmail.com](mailto:cicrngp@rediffmail.com)

- Note:**
1. Maximum number of participants is 30 Nos. only.
  2. Participants are personally responsible for travel arrangements and for covering the Accommodation, break fast, dinner fee, any other charges extra during the training period.
  3. There will be presentation and interaction among trainees. Hence, the participants shall bring the presentation materials of their own choice in relevance to Varietal Purity Testing – Testing of Specified Traits.