

**Proceedings of the 7th Consortium Implementation Committee (CIC) meeting of the NAIP  
Sub-project C-2046 held at CRIDA, Hyderabad on 26 June 2010**

The 7<sup>th</sup> CIC meeting was held under the chairmanship of Director, CRIDA on 26<sup>th</sup> June 2010 at the CRIDA, Hyderabad. The following members participated in the meeting:

S.No.	Name	Designation
1.	Dr. B.Venkateswarlu	Director, CRIDA, Hyderabad
2.	Dr Y.G. Prasad	CPI, CRIDA
3.	Dr. M. Prabhakar	Co-PI, CRIDA
4.	Dr. B.M.K. Raju	CMU member, CRIDA
5.	Dr K. Nagasri	CMU member, CRIDA
6.	Dr. K.V. Rao	Co-PI, CRIDA
7.	Dr. V.S. Nagrare	CCPI, CICR, Nagpur
8.	Dr. S. Vennila	CCPI, NCIPM, New Delhi
9.	Dr. G. Katti	CCPI, DRR, Hyderabad
10.	Dr Ch. Padmavathi	Co-PI, DRR
11.	Dr AP Padmakumari	Co-PI, DRR
12.	Dr V. Jhansi lakshmi	Co-PI, DRR
13.	Dr Mallikarjuna Rao	Co-PI, ARS, Maruteru
14.	Dr Sujay Dutta	CCPI, SAC, Ahmedabad
15.	RAs & OA	Project staffs of CRIDA

Dr Y G Prasad, CPI welcomed all the participants. Director, CRIDA reviewed the action taken report on the proceedings of the previous 6<sup>th</sup> CIC meeting (action taken report enclosed). The action points indicated in the 2<sup>nd</sup> CAC proceedings and M&E report were also reviewed.

Four presentations were made for the benefit of members:

- 1) Decision support systems by Dr KV Rao, Co-PI, CRIDA
- 2) Construction of field life tables-case study of rice leaf folder by Dr Ch. Padmavathi, Co-PI, DRR
- 3) Introduction to hyperspectral radiometer by Dr M. Prabhakar
- 4) Dymex-Climex modeling software – Dr Y.G. Prasad, CPI, CRIDA.

The following decisions were taken:

**A. Technical issues**

1. The members discussed the changing pest scenario in Bt cotton. During the initial growing season, Bt cotton is experiencing serious incidence of jassids. In view of this it is proposed to initiate work on population dynamics and biology studies on jassid for generating key life cycle parameters at CICR, Nagpur and Sirsa centres for modeling through Dymex software. Spectral signature profile of crop damage due to jassids will be



generated by CRIDA. The plan of work may be developed for this activity and finalized at the earliest (Action: CCPI, CICR & CPI).

2. Year round weather data may be compiled for all the stations for analysis and submitted to Consortium lead centre (Action: CCPIs-CICR and DRR).
3. Construction of cohort based field life table parameters for 1<sup>st</sup> generation of YSB in rice may be taken up by DRR, Hyderabad under field cage and open field conditions. Similar study may be planned for PAU, Ludhiana. Sampling pattern and sample size may be arrived at in consultation with Dr BMK Raju, Co-PI, CRIDA. The plan may be finalized by 20<sup>th</sup> July (Action: Dr Padma Kumari & CCPI, DRR)
4. Off season survival of Rice Yellow Stem Borer (YSB) may be monitored at spatial scale through pheromone trap catches and destructive sampling of stubbles by CRRI, Cuttack (Action: Dr Mayabini Jena, Co-PI, CRRI, CCPI-DRR and CPI)
5. Source of immigrant winged forms that initiate the BPH incidence in rice at Maruteru, West Godavari may be investigated (Action: Co-PI, Maruteru)
6. Cohort based field population growth may be focused at the research station under unsprayed natural infestation conditions at Maruteru during Kharif and Rabi 2010 for BPH and CRRI, Cuttack during kharif for yellow stem borer (Co-PIs-Maruteru and Cuttack & CCPI-DRR)
7. A field survey involving 30 farmers may be conducted during Kharif season to profile the current pesticide use pattern in West Godavari district, A.P. for management of Rice BPH. A semi structured questionnaire may be prepared in the local language for the purpose. Already generated information in insecticide trials on insecticide efficacy and pest re-appearance data vis-à-vis unsprayed plots may be compiled and submitted (Action: Dr N. Mallikarjun, Co-PI, Maruteru and CCPI, DRR / CPI).
8. One endemic location for rice leaf folder may be identified for generating field life table information for confirming the life table parameters worked out by DRR for Rajendranagar location. The location selected along with plan of work may be communicated by 10<sup>th</sup> of July to all concerned (Action: CCPI-DRR)
9. CRIDA, Hyderabad and CICR, Nagpur will submit the information on alternate hosts for cotton mealybug along with good quality photographs in jpg format to Dr S Vennila, CCPI, NCIPM, Delhi by 15<sup>th</sup> July for compilation and bringing out a joint publication in the form of an illustrated bulletin (Action: CCPI-CICR and CPI)
10. Leaf reddening symptom in cotton is increasingly being recorded on Bt cotton in the central zone. Spatio temporal data from 28 districts in Maharashtra at weekly intervals collected under another project in Maharashtra may be supplied by NCIPM and CRIDA to SAC, Ahmedabad which in turn will use remote sensing data for developing



appropriate indices for disease detection and damage assessments (Action: Dr Jeyakumar, NCIPM, CPI and CCPI, SAC-Ahmedabad)

11. The CCPI, DRR may convene the group meeting of rice centres at Hyderabad before 3<sup>rd</sup> week of July to discuss the issues in conducting on-station experiments, field surveys during season and off-season, pest monitoring, and improvement in field data collection and reporting. CAC, Chairman and members may be involved in this exercise, if possible.
12. It is again requested that all the centres should submit the historical data on pest-disease-weather available with them for updating the retrievable database at the consortium lead centres. All the centres should also provide the experimental data for results generated so far in excel format for adding to the database at the Consortium lead centre.

#### **B. Contractual services issues**

13. All the approved contractual staff positions have been filled up except at Maruteru associate centre
14. Despite three attempts to recruit, the RA position at Maruteru is still lying vacant since inception. In the previous CIC meeting, the issue was discussed and a deadline for filling up the vacant position by March 31<sup>st</sup> was communicated through the proceedings. As the position is still lying vacant and also as the process would take considerable time for recruitment, it is decided that two skilled workers/seasonal workers may be engaged at the Maruteru centre for recording of observations in on-station and on-farm trials during the ensuing kharif season. The RA position would be recruited by DRR, Hyderabad and spared for work at a) Maruteru during the season and b) the consortium lead centre during off-season as per the consortium needs. This would also take care of the demand for an additional RA position at the Consortium lead centre which was favorably considered by the CAC in view of the work load and also facilitate effective utilization of the contractual positions already provided.

#### **C. Procurement issues**

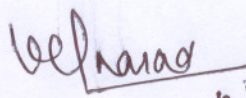
15. CICR, Nagpur has submitted the revalidation request for NRC funds for the year 2010-11 to NC. Clearance is awaited. An amount of Rs 12.52 lakhs is the unspent balance at DRR, Hyderabad under NRC as on 31 March 2010 (Equipment: Rs 8.67 lakhs; Works: Rs 3.84 lakhs). Due to cost escalation, the budget of Rs 3.0 lakhs is inadequate for purchasing the sanctioned environmental test chamber which is now costing Rs 6.5 lakhs (recently procured by CRIDA). This shortfall may be met by using Rs 3.0 lakhs funds provisioned for procurement of weather stations as these stations are already made available through other projects. This proposal would be put up to CAC Chairman for approval in the rice group meeting. The sanctioned data loggers would be procured for recording microclimate data. CCPI, DRR may urgently submit the revalidation of unspent NRC



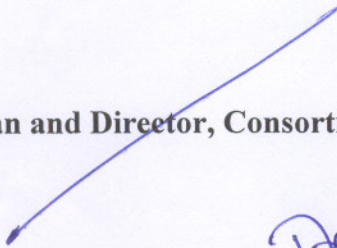
funds for procurement by October 31<sup>st</sup>, 2010-11 to National Coordinator in the prescribed format (Action: CCPI, DRR / CPI)

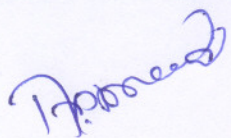
#### **D. Budgetary issues**

17. Chairman, CIC reviewed the funds position under operational expenses sub-head and instructed that a revised budget table may be prepared for CICR and CRIDA taking into account the pending additional funds request already approved by CAC and submit the proposal to National Coordinator for the needful.

  
(Y.G. PRASAD) 12/7/10

Member Secretary & CPI, NAIP C4/C2046 sub-project

  
Chairman and Director, Consortium Lead Centre

  
B. Venkatesh  
12/7/10



**Action taken report by CPI/CCPIs on proceedings of 6<sup>th</sup> CIC meeting and reviewed in the  
7<sup>th</sup> CIC meeting on 26.6.2010**

S.No.	Action point	Action taken report
<b>I. Technical progress review</b>		
1.	Geo spatial studies may to be taken up at cotton centers Nagpur, Sirsa and Coimbatore and at Rice centre Maruteru to bring out cropping system effect on pest incidence during next season. (Attn: Dr V.S. Nagrare & Dr G. Katti)	Geo spatial studies would be taken up at Nagpur, Sirsa and Coimbatore during ensuing crop season kharif 2010 in cotton.
2.	Authentic taxonomic identification of mealybugs (Paracoccus and Phenacoccus) at Coimbatore centre needs to be undertaken at the earliest by sending adequate number of specimens to Dr V.V. Ramamurthy, Division of Entomology, IARI (Attn: Dr V.S. Nagrare & Dr. B. Dharajothi)	<p>Authentic taxonomic identification of mealybugs (2 species), Mirid (1 species), Parasitoids and predators (4 species) and others (3 species) were identified from Nagpur .While mealybugs (3 species), Mirid (1 species), Parasitoids (2 species) were identified from Coimbatore as details given below.</p> <p><b>Insects identified from Dr V.V. Ramamurthy during 2009-10</b></p> <p><b>NAGPUR</b></p> <p><b>Mealybug</b></p> <ol style="list-style-type: none"> <li>1. <i>Phenococcus solenopsis</i> Tinsley</li> <li>2. <i>Nipaecoccus viridis</i> (Hem: Pseudococcidae)</li> </ol> <p><b>Mirid</b></p> <ol style="list-style-type: none"> <li>1. <i>Campylosoma</i> sp. (Hem: Miridae)</li> </ol> <p><b>Parasitoids and Predators</b></p> <ol style="list-style-type: none"> <li>1. <i>Anagyrus</i> sp.</li> <li>2. <i>Metaphycus</i> sp (Hym: Encyrtidae).</li> <li>3. <i>Promuscidea unfasciatiiventris</i> (Hym: Aphelinidae).</li> <li>4. <i>Gitonides perspicax</i> (Dip: Drosophilidae)</li> </ol> <p><b>Other</b></p> <ol style="list-style-type: none"> <li>1. <i>Tyrophagus putrescentiae</i> (Saprophytic mites with mealybugs) (Acarina: Tetranychidae)</li> <li>2. <i>Crematogaster brunnea</i></li> <li>3. <i>Monomorium indicum</i> (Hymen: Formicidae).</li> </ol> <p><b>COIMBATORE</b></p> <p><b>Mealybug</b></p> <ol style="list-style-type: none"> <li>1. <i>Phenococcus solenopsis</i> Tinsley</li> <li>2. <i>Paracoccus marginatus</i> Willium &amp; Granara de Willink</li> <li>3. <i>Macconellicoccus hirsutus</i> (Green)</li> </ol> <p><b>Mirid bug</b></p> <ol style="list-style-type: none"> <li>1 <i>Creontedes biseratense</i> (Distant)</li> </ol> <p><b>Parasitoids</b></p> <ol style="list-style-type: none"> <li>1 <i>Praeurocerus viridis</i> (Agarwal)</li> <li>2 <i>Parechthrodryinus</i> sp. indet.</li> </ol>
3.	Cotton group may discuss and finalize optimum sample size and sampling strategy for Mirids based on statistical analysis (Attn: Dr V.S. Nagrare)	Discussed and sample size of 10 plants per acre is the optimum in relation to <i>Campylomma livida</i> and <i>Creontides biseratense</i> . However identical observation was not recorded in different genotypes. e.g Maximum population of <i>C. livida</i> was observed in 1/3 middle portion of the plant in Ankur 651 Bt while



		<p>maximum population of <i>C. livida</i> and <i>C. biseratense</i> was recorded in top 1/3 portion of plant in Bunny Bt BG II. That means population of miridbug behaves differently in different genotypes.</p> <p>One more year study required for conclusion.</p>
4.	Cotton group in consultation with Dr S.Vennila, CCPI, NCIPM needs to enlist and work on the publications emanating from the work done so far under the project (Attn: Dr V.S. Nagrare & Dr S. Vennila)	<p>One paper on Biology of mealybug, <i>Phenacoccus solenopsis</i> on cotton in Central India. (S. Vennila, A.J. Deshmukh, D. Pinjarkar, M. Agarwal, V.V.Ramamurthy, S. Joshi, K.R.Kranthi and O.M.Bambawale) submitted to journal of insect science (Univ. of Wisconsin).</p> <p>Other paper on host plants of <i>P.solenopsis</i> in three cotton agro ecosystems of India is in final stage of preparation.</p> <p>One short research note "Report on expanding list of Host Plants of papaya Mealy bug <i>Paracoccus marginatus</i> ( S. Vennila, P. Jeyakumar, V. V. Ramamurthy, M. Amutha &amp; B. Dharajothi ) has been published in NCIPM News letter vol.15(1),January-June, p.No.9 (2009).</p>
5.	In on-station field experiments, data collection pertaining to estimating field growth rates should be with respect to cohorts from the time of first appearance both in rice and cotton along with field infestation data as per the data format already in use (Attn: Dr V.S. Nagrare & Dr G. Katti)	Field growth rate of cotton mealy bug with respect to cohorts from the time of first appearance will be initiated in forthcoming cropping season i.e. kharif 2010.
6.	All the centers should submit the historical data on pest-disease-weather available with them for updating the retrievable database at the consortium lead centers	Available historical data on pest-disease-weather submitted.
7.	All the centers should provide the experimental data for results reported in the first and second year annual reports in excel format for adding to the database at the Consortium lead centre	Will be submitted shortly.
8.	All CCPIs advised to submit technical report before 2 <sup>nd</sup> March 2010 for presentation during the Annual review workshop and preparation of Annual report 2009-10.	Submitted within deadline.
<b>II. Procurement of equipments and works</b>		
9.	Procurement needs to be completed before 31 <sup>st</sup> March, 2010. There will be no revalidation of NRC funds for next year as per PIU letter.	<p>All major equipments have been procured. In minor equipments most of them procure. Payment of hand held data logger is pending on receipt of set in the month of April.</p> <p>Sensor for automated weather station at Nagpur and Coimbatore could not procure due to non receipt of quotations. Requested for revalidation of fund to be utilized during current FY.</p>