

# TECHNICAL SESSION - I

**(Presentation of results of Farm Trials (2022-23), Variety release and Proposals for inclusion to Package of Practices)**

|             |   |  |
|-------------|---|--|
| Chairman    | : | <b>Dr. B. Hemla Naik</b><br>Director of Extension, KSNUAHS, Iruvakkki, Shivamogga  |
| Co-Chairman | : | <b>Dr. K. Praveen</b><br>Deputy Director of Horticulture, Dept. of Horticulture, Mangalore   |
| Rapporteurs | : | 1. Miss Nishmitha, Asst. Prof. (Entomology), AHRS, Ullal (Zone-10)<br>2. Dr. Kiran Kumar, R. Asst. Prof. (Fruit Science), COH, Mudigere (Zone-9) |

**Following decisions were taken in technical session**

| Sl. No. | Department   | Name of the scientist | Crop/ Enterprise | Title   | Remarks   |
|---------|--|-----------------------|------------------|---|---|
| 1.      | Associate Director of Research, ZAHRS, Brahmavar (Zone 10) | Dr. Lakshmana,        |                  | Presentation of weather and action taken report for ZREP 2022 (Zone 10) | <ul style="list-style-type: none"> <li>House suggested that the one-year testing trial should conducted</li> <li>Mention specific name of the varieties/ cultivars/hybrids used in the trails</li> <li>Percentage increase in yield over check should be worked out for each trail</li> <li>To evaluate saline resistant varieties in paddy, need to take a trial in coastal regions</li> </ul> |
| 2.      | Associate Director of Research, ZAHRS, Mudigere (Zone 9)   | Dr. M Shivaprasad     |                  | Presentation of weather and action taken report for ZREP 2022 (Zone 9)  | <ul style="list-style-type: none"> <li>It should be of uniform weather data for 20-25 years</li> </ul>  |

### Presentation of results of farm trials

| Sl. No. | Department             | Name of the scientist           | Crop/ Enterprise | Title   | Remarks   |
|---------|------------------------|---------------------------------|------------------|---|---|
| 1.      | Agriculture Department | Dr. Shantamurthy AO, Shivamogga | Paddy            | Varietal trial :Submergence tolerant variety for Zone No. 9, 2022-23  | None  |
| 2.      | KVK, Mudigere          | Dr. Krishnamurthy, A. T.        | Amaranthus       | Evaluation of Organic Insecticide against cutworm in Amaranthus   | T1- Neem seeds kernel extract @ 5% /lt.<br>T2- Azadirtacthin 1000 ppm @ 2 ml/lt.<br>T3- Melathion 50 EC (Std. Check) @ 2 ml/lt. |
|         |                        |                                 | Yard long bean   | To Evaluate Spinetoram 11.7 SC insecticide against legume pod borers infesting in Yard long bean              | T1-Spinetoram11.7 SC @ 0.4 ml /lt.<br><br>T2 - Malathion50 EC (Std. Check) @ 2.0 ml/lt.   |
|         |                        |                                 | Yard long bean   | To Evaluate Spiromesifen 22.9 SC acaricide against red spider ( <i>Tetranychusurticae</i> ) in Yard long bean | T1-Spiropmesifen 22.9 SC @ 0.8 ml /lt.<br><br>T2 - Dicofol 18.5 EC (Std. Check) @ 2.5 ml/lt.                                    |
| 3       | KVK, Brahmavara, Udupi | Dr. Sachin                      | Amaranthus       | Evaluation of organic insecticides against cutworm in amaranthus  | T1- Neem seeds kernel extract @ 5% /lt.<br>T2- Azadirtacthin 1000 ppm @ 2 ml/lt.<br>T3- Malathion 50 EC (Std. Check) @ 2 ml/lt. |
|         |                        |                                 | Yard long bean   | To Evaluate Spinetoram 11.7 SC insecticide against legume pod borers infesting in Yard long bean              | T1-Spinetoram11.7 SC @ 0.4 ml /lt.<br><br>T2 - Malathion50 EC (Std. Check) @ 2.0 ml/lt.   |
|         |                        |                                 | Yard long bean   | To Evaluate Spiromesifen 22.9 SC acaricide against red spider ( <i>Tetranychusurticae</i> ) in Yard long bean | T1-Spiropmesifen 22.9 SC @ 0.8 ml /lt.<br><br>T2 - Dicofol 18.5 EC (Std. Check) @ 2.5 ml/lt.                                    |

|   |                        |                    |              |   |   |
|---|------------------------|--------------------|--------------|---|---|
| 4 | KVK, Brahmavara, Udupi | Dr. Chaitanya H.S. | Bottle Gourd | Evaluation of Gummy Stem Blight (GSB) resistant bottle gourd variety Arka Shreyas | <ul style="list-style-type: none"> <li>House decided that the concerned Scientist should visit the fields</li> <li>House suggested that the Pathologist and Entomologist from the University to be included in the farm trial given by Scientist</li> </ul> |
|   |                        |                    | Cucumber     | Evaluation of IIHR cucumber var. Arka Veera                                       |   |

### III. Proposals for inclusion of technologies in Package of practices (PoP)

| Sl. No. | Department          | Name of the scientist | Crop/ Enterprise | Title   | Remarks  |
|---------|---------------------|-----------------------|------------------|---|--|
| 1       | Entomology Zone -10 | Dr. Hanumantaraya, L. | Cardamom         | Farm trial for management of Cardamom thrips 2022-23  | Accepted for inclusion in POP<br>0.25 ಗ್ರಾಂ. ಅಸಿಟಾಮಿಪ್ರಿಡ್ 20% ಎಸ್.ಪಿ. ಅಥವಾ 1.7 ಮಿ.ಲೀ. ಡೈಮಿಥೋಯೇಟ್ 30 ಇ.ಸಿ. ಪ್ರತಿ. ಲೀಟರ್ ನೀರಿನಲ್ಲಿ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಬೇಕು   |
| 2       | Horticulture        | Dr. Bhoomika, H.R.    | Ginger           | Effect of growth regulator and nutrient levels on growth , yield and quality of ginger in soil less culture | <ul style="list-style-type: none"> <li>ಶಿಫಾರಸ್ಸು ಮಾಡಿದ ಪೋಷಕಾಂಶಗಳೊಂದಿಗೆ, ಗಿಡಗಳ/ಎಲೆಗಳ ಮೇಲೆ CCC @ 1000 ppm ನ್ನು ಸಿಂಪಡಿಸಬೇಕು</li> <li>Accepted in the Principle house - In the protected cultivation experiments,the procedure adoptedby IIHR, Bengaluru will be followed under KSNUAHS (S) also.</li> </ul> |
|         |                     |                       | Turmeric         | Effect of different pre-curing treatments and drying methods on yield and quality of turmeric               |  |
| 3       | Agri Engineering    | Dr. Shankar M.        | Paddy            |   | Accepted for inclusion in POP<br>ಭತ್ತದ ಚಾಪೆ ನೇಜಿ ತಯಾರಿಸಲು ಸ್ವಯಂಚಾಲಿತ ಭತ್ತ ಬಿತ್ತುವ ಯಂತ್ರ  |

#### IV. Varietal release

| Sl. No. | Department       | Name of the scientist | Crop/ Enterprise | Title         | Remarks   |
|---------|------------------|-----------------------|------------------|---------------|---|
| 1       | Crop Improvement | Dr. Dushyanth Kumar   | Paddy            | KHP 11 x MM   | Accepted<br>• Submergence tolerant variety<br>• Released for Zone 9   |
| 2.      | Crop Improvement | Dr. Sridevi Jakkaral  | Paddy            | BMR-US-1-24-2 | Accepted<br>• High yielding variety for Mid land/Upland red rice<br>• Mid early duration variety<br>• Biofortified characters (Zn, Fe, Fibre rich)<br>• Released for Zone -10 |

#### Remarks: General remarks to all scientists

- Climate change data should be recorded for every crop.
- B:C ratio should worked out thoroughly.
- It should be of uniform weather data for 20-25 years.
- The guidelines for technologies/varieties to be accepted for PoP will be developed and circulated to all the scientists.
- The budget for conducting farm trials have to be collected from IIHR, Bengaluru and UHS, Bagalkot

#### Abstract:

| Sl. No. | Particular                               | Remarks |
|---------|--|---------|
| 1       | Number of continued farm trails          | 04      |
| 2       | Number of technologies accepted for PoP  | 04      |
| 3       | Number of varieties accepted for release | 02      |