

## WHEAT FFS WEEKLY SCHEDULE

### Prior to planting time

Weeks/Meeting	Sessions/Topics	Methods	Materials
<b>Preparation Meeting (1)</b>	Orientation and briefing to the community about FFS <ul style="list-style-type: none"> <li>• What is FFS</li> <li>• How it will be organized</li> <li>• What benefits for the farmers</li> <li>• What support project will provide</li> <li>• Duration, methodology, role of the community requirements</li> <li>• Criteria for participants</li> </ul>	<ul style="list-style-type: none"> <li>• Organization general meeting</li> <li>• Briefing/Explanation</li> <li>• Questions/Answers</li> </ul>	<ul style="list-style-type: none"> <li>• Stationary: Paper, marker, white board</li> <li>• Posters/Photos</li> </ul>
<b>Meeting (2)</b>	<ul style="list-style-type: none"> <li>• Selection of participants</li> <li>• Community mapping</li> <li>• Discussion on general challenges and priorities for improving wheat cultivation</li> </ul>	<ul style="list-style-type: none"> <li>• PRA</li> <li>• Discussion and analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Stationary: Paper, marker, Flip chart, drawing pen</li> </ul>
<b>Meeting (3)</b>	<ul style="list-style-type: none"> <li>• Preparation for action plan</li> <li>• Discussion on the requirements for FFS i.e., study field, meeting place</li> </ul>	<ul style="list-style-type: none"> <li>• Participatory Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Stationary: Paper, marker, Flip chart, drawing pen</li> </ul>
<b>Meeting (4)</b>	<ul style="list-style-type: none"> <li>• Identification of study field</li> <li>• Preparation and Lay out of the study field</li> <li>• Preparation for the meeting place</li> </ul>	<ul style="list-style-type: none"> <li>• Participatory Discussion</li> <li>• Small group work</li> </ul>	<ul style="list-style-type: none"> <li>• Stationary: Paper, marker, Flip chart, drawing pen</li> </ul>

### FFS ON THE FIELD

#### Regular activities (Before Ice)

Week	Session /Topic	Procedure	Materials required
1	<ul style="list-style-type: none"> <li>• Importance of quality seed</li> <li>• Germination test</li> </ul>	Participatory Discussion Field Activity	Seed from various sources, Brown paper, marker pens, tissue paper, water, plate
	<i>Discussion on:</i> <ul style="list-style-type: none"> <li>• Importance of line sowing</li> <li>• Introduction of Drum seeder and Rake</li> <li>• Methods of seed sowing</li> </ul>	Participatory Discussion	Brown paper, marker pens
<b>Week 2</b>	<ul style="list-style-type: none"> <li>• Soil properties: Soil texture, structure and living soil.</li> <li>• Essential elements, importance and functions</li> </ul>	<ul style="list-style-type: none"> <li>• Special class, practical and demonstration, PD</li> </ul>	Hoe, shovel, brown paper, marker pens. Water, clay, loam and sandy soils. <ul style="list-style-type: none"> <li>• Brown paper, marker pens</li> </ul>

	<ul style="list-style-type: none"> <li>• Farm Yard Manure (FYM) improvement, chemical fertilizer testing and identification, calculation and application method.</li> </ul>	<ul style="list-style-type: none"> <li>• PD and GD (building a house)</li> <li>• Special class, PD, practical leading questions (field study)</li> </ul>	<ul style="list-style-type: none"> <li>• Sample of chemical, stove, frying pan, fertilizers, hydrogen peroxide, pan, water, glass containers</li> </ul>
<b>Week 3</b>	<ul style="list-style-type: none"> <li>• Lay out and Field preparation</li> <li>• Seed preparation: cleaning , treatment, drying</li> <li>• Role and importance of indigenous microorganisms (IMOs) and their preparation (FPJ)</li> </ul>	<ul style="list-style-type: none"> <li>• PD, demonstration</li> <li>• Special class, practical and demonstration, PD</li> </ul>	<ul style="list-style-type: none"> <li>• Hoe, shovel, brown paper, marker pens. Brown paper, marker pens</li> <li>• Fruits, plastic bottles, knives, bucket, water, plastic sheet, strainer</li> </ul>
4	<ul style="list-style-type: none"> <li>• Importance of line sowing</li> <li>• Introduction of Drum seeder and Rake</li> <li>• Methods of seed sowing</li> <li>• <b>Planting FFS field</b></li> </ul>	Participatory Discussion	Brown paper, marker pens
<b>3 Month Winter break</b>			
<b>Week 5</b>	<ul style="list-style-type: none"> <li>• Basic concepts of Agro-ecosystem</li> <li>• What is ecosystem and agro-ecosystem?</li> <li>• Components and interaction of agro-ecosystem</li> <li>• Finalization of observation parameters of AESA monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• PD and group work</li> </ul>	<ul style="list-style-type: none"> <li>GD (Thread game)</li> <li>Plywood board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape. Plastic bags, tape, hoe, marker pens, lenses</li> </ul>
<b>6</b>	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESA -1)</li> <li>• Introduction of Rotary weeder</li> <li>• Discussion on Rotary weeder operation and use</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>	
7	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESA -2)</li> <li>•</li> <li>• Growth phases of wheat</li> <li>• Weed and weed management</li> <li>• Weed management using Rotary weeder</li> </ul>	<ul style="list-style-type: none"> <li>Special class, PD</li> <li>Field practical and observation</li> </ul>	<ul style="list-style-type: none"> <li>Brown paper, marker pens</li> <li>Rotary weeder, hoe, shovel</li> </ul>
<b>Week 8</b>	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESA -3)</li> <li>• Disease triangle and disease management of wheat</li> </ul>	<ul style="list-style-type: none"> <li>PD, Field observation, collection of insect disease and weed sample, drawing, analysis and presentation</li> <li>Field observation, Special Class, PD, leading questions.</li> </ul>	<ul style="list-style-type: none"> <li>Brown paper, marker pens, color pen,</li> <li>Disease specimen</li> </ul>

9	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -4)</li> </ul> <p><i>Water management:</i> Crop water requirement, irrigation scheduling, methods and techniques of water application. Moisture conservation will be done by Adjustment of planting time and Apply compost/Fermented plant juice)</p> <ul style="list-style-type: none"> <li>• Soil water holding capacity and infiltration rate</li> </ul>	<p>Special class, PD, Leading questions,</p> <p>Observation, presentation and discussion</p>	<p>Brown paper, marker pens</p> <p>Hoe, shovel, mineral water bottles, plastic bags, water and different types of soils (clay, loam, sandy and sand). Measuring cylinder or plastic cup</p>
10	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -5)</li> <li>• Weed management using Rotary weeder</li> </ul>	<p>PD, group work</p> <p>Exercise</p>	<p>Brown paper, marker pens, color pen,</p>
11	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -5)</li> <li>• Food web and food chain</li> <li>• Role of organic matter and Production of compost</li> </ul>	<p>Field observation, presentation</p>	
12	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -6)</li> <li>• Collection and identification of NEs and IPs</li> </ul>	<p>PD, field observation, analysis and presentation</p> <p>Field observation, PD, leading questions.</p>	<p>Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape.</p> <p>Nylon net, pots, pegs, paper tags, rope, scissor</p>

13	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -7)</li> <li>• Morphology of wheat plant at vegetative phase</li> </ul>	<p>PD, field observation, analysis and presentation</p>	<p>Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape.</p>
14	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -8)</li> <li>• Effect of pesticide on human health and environment</li> </ul>	<p>PD, field observation, analysis and presentation</p> <p>Field exercise and role play observation, PD, leading questions, PD and exercise</p>	<p>Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape.</p> <p>Apron, dye, sprayer, tipol, specimen, dark room.</p> <p>Different type of weeds and wheat plants, plastic bottle,</p>

	<ul style="list-style-type: none"> <li>• Root and plant vessel</li> </ul>		red ink/dye, bottle
15	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -9)</li> <li>• Specific insect and disease management</li> </ul>	PD, field observation, analysis and presentation  Special class, Pd	Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape.  Disease specimens
16	<ul style="list-style-type: none"> <li>• Agro ecosystem analysis (AESAs -10)</li> <li>• Botanical pesticide discussion and preparation</li> <li>• Nutrient cycle</li> </ul>	PD, field observation, analysis and presentation Special class, PD, preparation of botanical pesticides PD, exercise	Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape. Botanical plant parts for formulation, water, molasses knives, buckets and plastic bottles.
17	<ul style="list-style-type: none"> <li>• Specific insect and disease management</li> <li>• Availability and losses of nutrients recycling crop residue</li> </ul>	PD, field observation and discussion  Field observation, PD  Field observation, PD	Board, brown paper, marker pens, colored pencil, sign pen, scale, plastic bags, lens, masking tape.
18	<ul style="list-style-type: none"> <li>• Morphology of wheat plant at reproductive and ripening phase</li> <li>• Effect of pesticide on natural enemies (NEs) and insect pest (IPs)</li> </ul>	Special class, PD,  Field exercise, PD, leading questions,	Brown paper, marker pens  Different types of pesticides, live specimen of IPs and NEs, sprayer (5), mineral water bottle, muslin cloth, rubber band
19	<ul style="list-style-type: none"> <li>• Harvest and post harvest technology to produce quality seed</li> <li>• Green manure</li> </ul>	PD, field observation, field exercise  Special class, PD	Brown paper, marker pens, colored pencil, sign pen,
20	<ul style="list-style-type: none"> <li>• Prepare and sharing report of field study and experiments</li> <li>• Post-test (Ballot box)</li> </ul>	Data analysis and presentation, PD  Hard paper or paper box, gum, papers, rope, specimen, scissors	Brown paper, marker pens, colored pencil, sign pen,
<b>21</b>	<b>Field Day</b>		
<b>Week 22</b>	<ul style="list-style-type: none"> <li>• Group strengthening /cooperative formation, strengthening and networking</li> <li>• Wrap up and next program planning</li> </ul>	PD, Storage observation, exercise \ PD	Brown paper, marker pens, register, colour pencil  Brown paper, Marker pen