

**PROPOSED TECHNOLOGICAL INPUTS TO BE
PROVIDED TO BENEFICIARIES OF
NREGA AND SGSY SCHEMES
BY
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IN DISTRICT HOSHIARPUR (PUNJAB)**



**PRESENTED BY
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THANK YOU

CONVERGENCE PLAN

NREGA-SGSY-KVK.

HOSHIARPUR DISTRICT.

PUNJAB

AREAS OF CONVERGENCE

- Horticultural based cropping system
- Common property resource management
- Capacity building on soil sampling
- Improving soil health- Enriched compost production
- Ensuring fodder throughout the year
- Entrepreneurship development for women-Allied Agri vocations, skill intensive and service oriented vocations

FACULTY AND INFRASTRUCTURE

Scientists- 7

Disciplines

Crop Production

Plant Protection

Horticulture

Agriculture

Engineering

Home Science

Extension Education

**Office Cum Lab Complex
Training Hostel**

Demonstration Units

Bee Keeping Unit

Mushroom Unit

Dairy Farm

Poultry Farm

Gobar Gas Unit

Demonstration Orchards-

Kinnow, Ber, Guava

Integrated Nutrition Garden

Instructional Farm

SCOPE OF HORT./VEG. CROPS IN DIST. HOSHIARPUR

- Soil conditions are conducive
 - ph range and EC are in toleralable limits
 - soil type is loamy sand to sandy loam, so well drained
 - no hard pan in the soil strata
- Underground water though deep is of good quality
- Mean annual rainfall is 850-1200 mm
- Summer temperature milder
- Early and late cultivation of vegetables is in vogue
- Establishment of fruit and vegetable processing industry in the district
- Area under fruit crops-8500 ha
- Area under vegetables crops-24000 ha

MAJOR PROBLEMS OF IMPORTANT HORT./VEG. CROPS

Problem	Cause
Kinnow	
Gummosis	Inappropriate planting, irrigation, weeding practices, intercropping
Die-back	Faulty pruning and spraying techniques
Fruit drop	Inaccurate spraying schedule and technique

MAJOR PROBLEMS OF IMPORTANT HORT./VEG. CROPS

Problem	Major gaps in adoption
Kinnow	
Low returns and decline in orchards	Defective harvesting and post harvesting practices, poor micro and macro nutrient management
Mango	
Severe frost injury	Inappropriate rejuvenation practices
Low fruit yield	Unscientific cultivation practices, neglected attitude of farmers

MAJOR PROBLEMS OF IMPORTANT HORT./VEG. CROPS

Problem	Major gaps in adoption
Guava	
Attack of fruit fly	Poor sanitation practices in the orchards, faulty spraying techniques
Ber crop for rain-fed areas	
Powdery mildew	Ignorance of farmers about the economics of ber crop-pays low attention to management of disease

MAJOR PROBLEMS OF IMPORTANT HORT./VEG. CROPS

Problem	Major gaps in adoption
Ber crop for rainfed areas	
Canopy management-low yields	Lack of pruning
Potato	
Attack of late blight	Defective disease management strategy-no seed treatment, use of self made mixtures of fungicides, wrong dilutions of fungicides

CAPACITY BUILDING PROGRAMMES

Name of the programme	Duration
Management of high density <i>kinnow</i> orchards	3 days
Cultivation of <i>ber</i> in rainfed areas	3 days
Nursery raising of fruit plants	5 days
Cultivation of guava in marginal lands	3 days
Pruning of deciduous plants	3 days
Seed production of vegetables	5 days

Responsibility should be earmarked for formation of training group

CAPACITY BUILDING IN SOIL SAMPLING

Scouts can be selected amongst NREGA beneficiaries



Trained in soil sample collection in a group of 20 at KVK



**1 scout can collect 10 samples/day alongwith testing fees,
wages as per NREGA norms,**



Samples will be tested at KVK soil testing lab



**Scouts can mobilize the farmer (whose samples were collected) and
gather them at a common place, KVK expert can interpret the
reports for judicious use of fertilizers**

CAPACITY BUILDING PROGRAMMES

For rural women

Name of the programme	Duration	Sustainable micro-enterprises
Early childhood care and education	3 months	Trained rural girls will be able to open rural crèches for catering to the need of NREGA beneficiaries
Cooking, packing and serving of ready to serve food for school going children	3 months	The beneficiaries will be able to supply packed food to school going children under mid-day meal programme – One can cater to the need of 5 nearby schools on contract basis
Garments construction and decoration	3 months	The beneficiaries will be able to stitch and decorate the garments on order basis
Beekeeping	7 days	
Dairy farming	10 days	
Cultivation of white button mushroom	10 days	

CAPACITY AUGMENTING PROGRAMMES FOR TECHNICAL STAFF OF NREGA

Name of the programme	Duration
Integrated nutrition gardening	1-2 days
Cultivation of medicinal and aromatic plants	1-2 days
Preservation of fruits and vegetables	3 days

FIELD DEMONSTRATIONS

(Value adding activities on NREGA work)

- Demonstration orchards of *ber*, guava & *kinnow*
- Integrated pest management practices in
 - Maize
 - Oilseed crops
- Field demonstrations on integrated nutrition garden
- Field demonstrations on enriched compost production
- Field demonstrations on silage making
- Field demonstrations on nutrient disorder management