

SRI Method of Paddy Cultivation

SRI: System of Rice Intensification

Nursery when vibrant & healthy
Makes the farmer happy & wealthy

Preparing Nursery Bed with layers of Soil & Manure



Soak the seed
for 12 hours



Soaked seed
kept in gunny bag
for 24-36 hours



Germinated
seed



Levelling the Bed



Covering
the seed
with
manure

Seed : 2kgs for transplanting one acre
Bed : Width: one yard , Length : 22 yards
Height : 5-6 inches.
Nursery should be close to the mainfield
If need, bed can be made into two plots



Broadcasting Vermicompost



Broadcasting
germinated seed

Covering the bed with straw &
sprinkling water
(in morning & evenings, as per need)



Remove the straw after
3-4 days of germination



Seedlings
8-12 days



Seedlings
5-6 inches long



Nursery Beds
(Fullgrown Plots)

Preparing the Main Field with Organic Manures for SRI transplantation

Organic Manures

- * Increase soil fertility
- * Provide necessary nutrients
- * Increase moisture retaining capacity

Farm Yard Manure
Tank Silt
Sheep Penning
Green Manuring



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With SRI, paddy needs less water
Turning in weeds adds organic matter

Puddled
and
levelled
field



Marking the field with a Marker

- * Marks should be 10x10 inches apart
- * Rows should be straight
- * Draw the marker swiftly to avoid drag
- * After every 8 rows leave a path of 12-13 inches



Uprooting seedlings using tin plates



Transplanting

- * Transplant where horizontal & vertical rows meet, along with the grain at shallow depth
- * After uprooting the seedlings, transplant as quickly as possible.
- * Give water sparingly



Irrigation : Do not flood irrigate



- * Irrigate when there are hairline cracks.
- * If necessary, have drainage channels to remove excess water



Weeding :

Use weeder to turn in the weeds

First weeding should be done
after 10-12 days of
transplanting,
followed by weeding every 10 days



Healthy
growth of
roots



Grownup crop

Harvested
SRI paddy



Healthy crop resists diseases & pests