

PROFORMA FOR SUBMISSION OF INFORMATION ON TECHNOLOGIES DEVELOPED

1. Name of the machinery/product/variety developed: **Rejuvenation of citrus (Khasi mandarin and acid lime)**
2. Application /use(maximum 2 lines) : **Improvement in production and quality of fruits of declining orchards**
3. Description /Features of the machinery/product/variety developed along with one good coloured photograph :



Declining Khasi Mabdarin



View of rejuvenated Khasi Mandarin



Declining acid lime



Rejuvenated acid lime

Features:

- Selection of declining orchard yielding less than 100 fruits / tree
 - Making of half moon terraces and application of 30 kg FYM, 1300g urea, 3000g SSP and 1200g MOP per plant and micronutrient combination *i.e* Cu (0.2%) + Zn (0.4%) for higher productivity.
 - Application of Bordeaux paste on the tree trunk during March-April and August- September.
 - Rejuvenation of low productive declining orchards through dehorning at different heights (0.5m, 1.0m, 1.5m and primary branches combined with suitable soil and water conservation, integrated nutrient and pest management.
4. Input (equipment/ plant and machinery /raws material/ land/investment/manpower / power needed): **400 declining trees/ha**
 5. Out put capacity: **100-200 fruits/tree (Khasi mandarin) and 185-237 fruits/tree (acid lime)**
 6. Specific benefit and impact: **Rs. 100-250 / tree**
 7. Unit cost: **Rs. 40/plant**