

## PLANNING FOR DUS TEST OF TOMATO

The planning for DUS test of Tomato include:

### **STEP1**

To collect referent varieties, that is knowledge commonly varieties, consist of:

- Existing varieties
- Plant protection varieties
- Local varieties

*(Note: the collecting referent varieties should be carried out before conduct to DUS test)*

### **STEP2**

To Receive the application, Technique questionnaire (TQ) and material from Applicant.

- Input data to database from TQ
- Checking seed health
- Comparing candidate variety with referent varieties (basing on database and picture was provided and database)
- Selecting similar varieties
- Deciding Where and When carry out growing test
- Planning for growing
- Desinging experiment
- How to manage experiment (weed, fertilize, deseases, irrigation....)
- Desinging data record form (form 1 for visual characteristics; form 2 for measurment characteristics)
- Preparing experiment diary
- Preparing experiment devices: ruler, scale, RSH colorchar, camera...

### **STEP3**

- Evaluating characteristics
  - + Characteristics have to evaluate at exactly stage
  - + Recording all data
  - + writing experiment diary (the weather of every plant developing stage: seedling stage. Flowering stage, fruit set and muturing stage....)

STEP 4:

- Input data to software (exel or other software).
- Statistic analysis.
- Compare result of cadidate variety with similar variety (base on Characteristics expression and Lsd0,5%).

**STEP 5**

Make report.