



## **TOMATO Observation Form for Seed Library Grow-Outs**

Thanks so much for taking good observations – it is so helpful to know a bit about the varieties we’re protecting in the Seed Library. This allows us make good matches with future growers too!

**Variety name** \_\_\_\_\_

**Observer name & email address** \_\_\_\_\_

**Location (town/province)** \_\_\_\_\_

**Basic site description** (soil type, zone etc) \_\_\_\_\_

**DATES– please make note of these throughout the season:**

Date when you sowed the seeds \_\_\_\_\_

Date when you transplanted the seedlings \_\_\_\_\_

Date when 1<sup>st</sup> tomatoes were ready to harvest \_\_\_\_\_

Date when the first flowers opened? \_\_\_\_\_

Date when you harvested fruit for seed \_\_\_\_\_

**POPULATION COUNTS – please track these throughout the season:**

**Initial Population size** How many seeds did you sow in total? (Please sow all that we sent you) \_\_\_\_\_

**Germination rate** What percent of the seeds germinated? \_\_\_\_\_

**Transplanted population** How many plants did you transplant into your garden \_\_\_\_\_

**Plants removed** How many plants did you remove because weak, diseased or off type? \_\_\_\_\_

**Plants died** How many plants died of other causes? \_\_\_\_\_

**Cross-Pollinating population** How many plants remained at time of flowering? \_\_\_\_\_

**Final Population** How many plants did you harvest seeds from at the end of the season? \_\_\_\_\_

**\*\*Please collect seeds from at least 1 fruit of every plant remaining, then mix the seeds.  
This is important to protect genetic diversity\*\***

**OBSERVATIONS:**

*At each stage, remove any plants that are distinctly different (ie off types) than the majority*

**What type of plant is this tomato?**

- dwarf (very short)
- determinate (about 2-3 feet tall, produces one main crop of fruit then mostly stops growing, little if any side growth, usually don't need much support)
- semi-determinate (about 3-5 feet tall, some slow side growth, grow well on short stakes)
- indeterminate (continuously grows long vines with new flower clusters until frost, widely-spaced branches and lots of side shoots, needs staking)

**Any comments on how aggressively it grew and suckered?** \_\_\_\_\_

**What type of leaf does this variety have?**      Regular      Potato      Rugosa

**What colour are the flowers?**    white      yellow      orange      other

**What shape is an average fruit, viewed from the side?**



flattened



slightly flattened



round



high rounded



heart-shaped



cylindrical

pear-shaped



plum-shaped (oval)

other

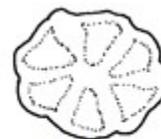
**What shape is an average fruit, sliced in cross-section?**



round



angular



irregular

**How would you describe the size of the fruit?** Large Med Small Cherry

How much does an average fruit weigh? \_\_\_\_\_

**What is the exterior colour of the fruit?** green yellow orange pink red other \_\_\_\_\_

**What colour is the interior flesh?** green yellow orange pink red other \_\_\_\_\_

**How firm is the flesh?** soft intermediate firm

**How uniform is fruit size within a plant?** Various fruit sizes Slightly different sizes Very uniform

**Choose which categories best describe the variety:** slicer paste/canning saladette cherry grape cluster

**Are there any signs of disease on the plants or fruit?** No Yes (incl description below, and photo if possible)

**Please rate this variety on the following characteristics on a scale from 1 (very poor) to 5 (excellent)**

Productivity	1	2	3	4	5
Flavour	1	2	3	4	5
Disease resistance	1	2	3	4	5
Uniformity (size, shape, growth habit, colour)	1	2	3	4	5
General appeal	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>

**Would you want to grow this variety again?** Yes No

**Please list any pros/cons related to growing this variety.**

Pros

Cons

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**Any other things worth noting? How would you describe it overall? Anything stand out?**