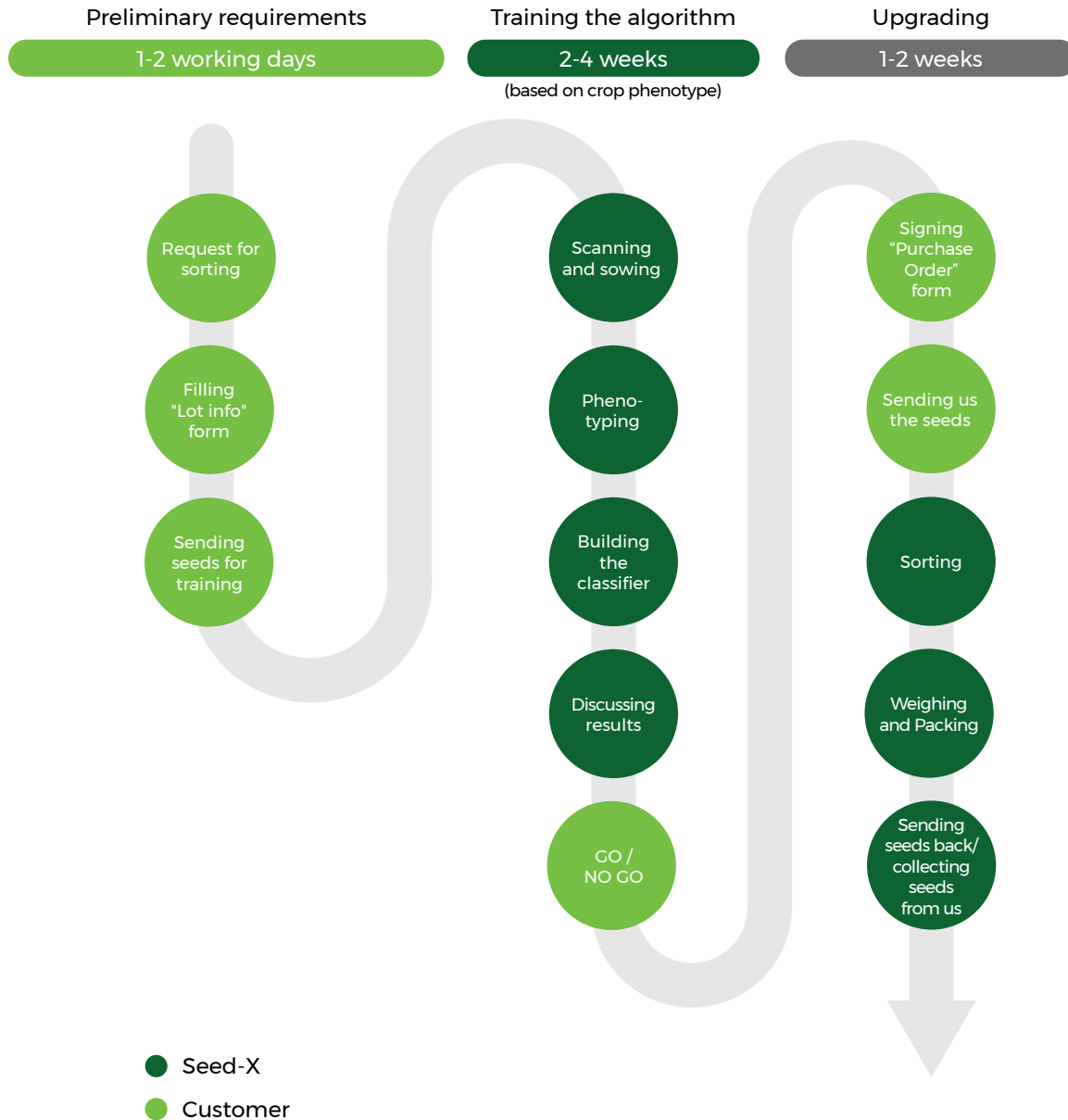


Upgrading services process

The process is comprised of three main phases:



Preliminary requirements



Background information about the seeds that need to be upgraded



3,000-10,000 for lot

*Based on crop

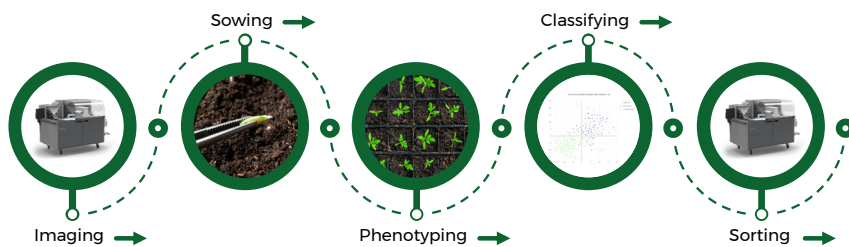


300-3,000 will be germinated to train the algorithm



Rest will send back to the customer or will be sorted based on approval

Algorithm training process



The duration of the process depends on the crop phenotyping and use case

After the training, Seed-X presents the predictions of the algorithm.

ID Client	ID Seed-X	Goals	Input value	Upgraded value	Waste
1452-99	PEU-14-NL	Homogeneous	68%	90%	40%
		Usable Plant	72%	92%	23%
1562-88	PEU-14NL	Homogeneous	70%	89%	45%
		Usable Plant	82%	95%	25%
1790-12	PEU-15-NL	Homogeneous	70%	89%	45%
		Usable Plant	82%	95%	25%

The client chooses: Upgrade value | Upgrade use case, as below



Homogeneous Plant

Upgrade based on homogeneous growth of plant excluding:

- Small
- Abnormal
- Non germinated



Usable Plant

Upgrade based on heterogeneous usable plant excluding:

- Abnormal
- Non germinated

Upgrading



After positive validation by the client of the upgrade results, the lot can be received for upgrading



The sorted lot will be returned to the client in fractions



Fraction A: Good seeds according to client request



Fraction B: Reject seeds