

Genebank Metrics

Insights in the CGN collection

24-02-2026 Prague | Laura Reiniers

A quick summary of the 10 mandatory metrics

The 10 mandatory metrics:

1. NACC: Number of accessions
2. DOC_PDCI: Average passport data completeness index (PDCI) of the accession
3. DOC_PHEN: Average number of phenotypic datapoints per accession
4. CON_NGER: Number of results of germination/viability tests on base samples generated and stored
5. CON_NREG: Number of accessions for which newly regenerated seeds were stored
6. CON_GER: Number of accessions that need a germination test
7. CON_REG: Number of accessions that need to be regenerated
8. CON_NSAF: Number of accessions that are safety duplicated
9. AVA_AVA: Number of accessions that are readily available for distribution
10. DIS_EXT: Number of distributed samples excluding internal genebank use

Compulsory metrics 1

NACC: Number of accessions

Per 3 February 2026

crop	#acc	crop	#acc	crop	#acc	crop	#acc
wheat	4933	beets	38	pepper	1331	lily	40
barley	2677	lolium	398	eggplant	539	carrot	139
flax	954	clover	263	cucumber	924	black salsify	34
peas	1055	spinach	542	potato	1480	lamb's lettuce	47
oat	406	allium	437	meadow grass (P	135	asparagus	49
lettuce	2589	timothy	108	fescue	78	common bean	91
cruciferae	1811	cocksfoot	42	caraway	23	cichorium	20
maize	488	lupin	68	agrostis	11	fennel	8
faba beans	725	tomato	1349	melon	79	coriander	44
Total							23955

Compulsory metrics 2

DOC_PDCI: Average passport data completeness index (PDCI) of the accession

Per 3 February 2026

crop	#acc	PDCI	crop	#acc	PDCI	crop	#acc	PDCI	crop	#acc	PDCI
wheat	4933	8.1	beets	38	6.09	pepper	1331	7.86	lily	40	6.51
barley	2677	8.47	lolium	398	7.37	eggplant	539	8.14	carrot	139	8.42
flax	954	6.78	clover	263	8.3	cucumber	924	6.95	black salsify	34	8.04
peas	1055	7.58	spinach	542	7.29	potato	1480	8.49	lamb's lettuce	47	7.59
oat	406	8.11	allium	437	8.14	meadow grass (P	135	8.14	asparagus	49	8.29
lettuce	2589	8.09	timothy	108	7.02	fescue	78	7.8	common bean	91	6.76
cruciferae	1811	8.28	cocksfoot	42	6.8	caraway	23	7.82	cichorium	20	6.3
maize	488	7.25	lupin	68	7.29	agrostis	11	7.8	fennel	8	6.4
faba beans	725	6.93	tomato	1349	7.84	melon	79	7.95	coriander	44	4.95
Total										23955	7.92

Compulsory metrics 3

DOC_PHEN: Average number of phenotypic datapoints per accession

Per 3 february 2026

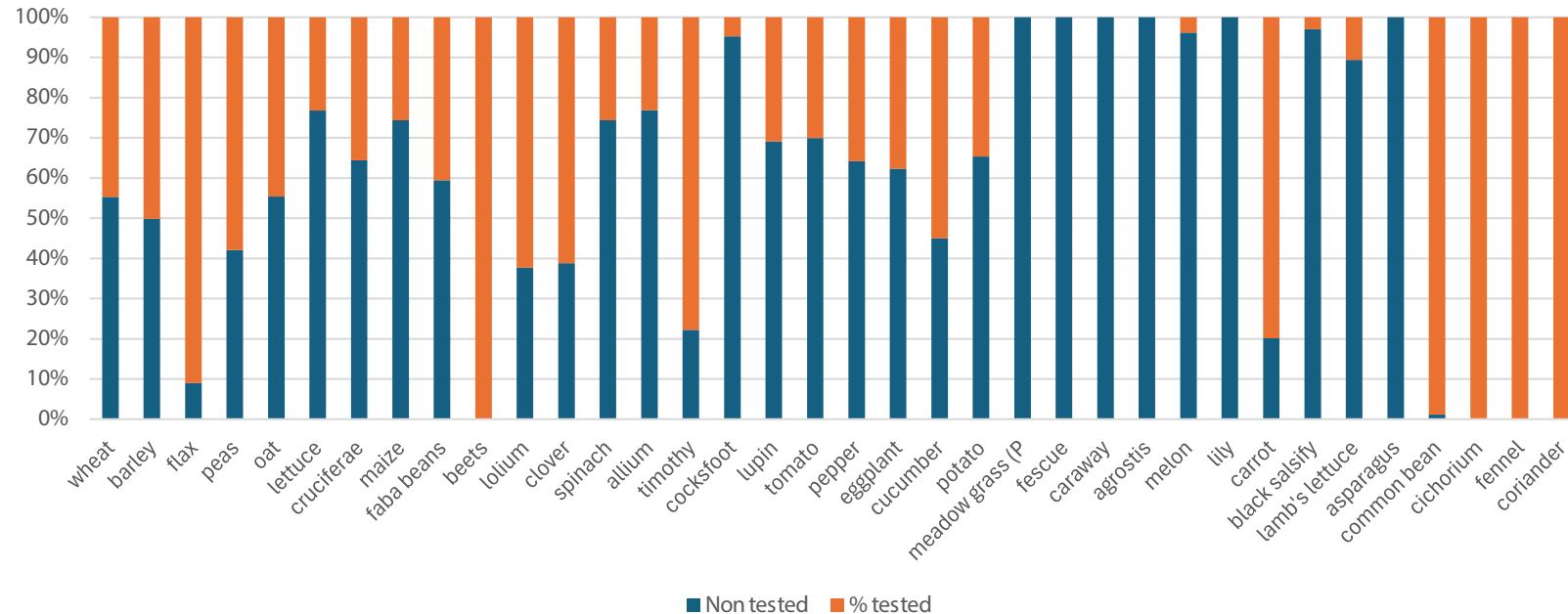
crop	#acc	# pheno/ acc	crop	#acc	# pheno/ acc	crop	#acc	# pheno/ acc	crop	#acc	# pheno/ acc
wheat	4933	8.3	beets	38	0	pepper	1331	40.4	lily	40	0
barley	2677	12.8	lolium	398	0	eggplant	539	36.8	carrot	139	0
flax	954	15	clover	263	1.1	cucumber	924	17.4	black salsify	34	17.3
peas	1055	16.9	spinach	542	36.9	potato	1480	5.4	lamb's lettuce	47	13.8
oat	406	0.9	allium	437	25.9	meadow grass (P	135	5.2	asparagus	49	0
lettuce	2589	44.8	timothy	108	0	fescue	78	0	common bean	91	0
cruciferae	1811	17.6	cocksfoot	42	0	caraway	23	0	cichorium	20	0
maize	488	10.4	lupin	68	1.6	agrostis	11	0	fennel	8	0
faba beans	725	11.9	tomato	1349	37.8	melon	79	20.1	coriander	44	0
Total										23955	18.9

Compulsory metrics 4

CON_NGER: Number of results of germination/viability tests on base samples generated and stored

Time interval: past 5 years

Number of results of germination test

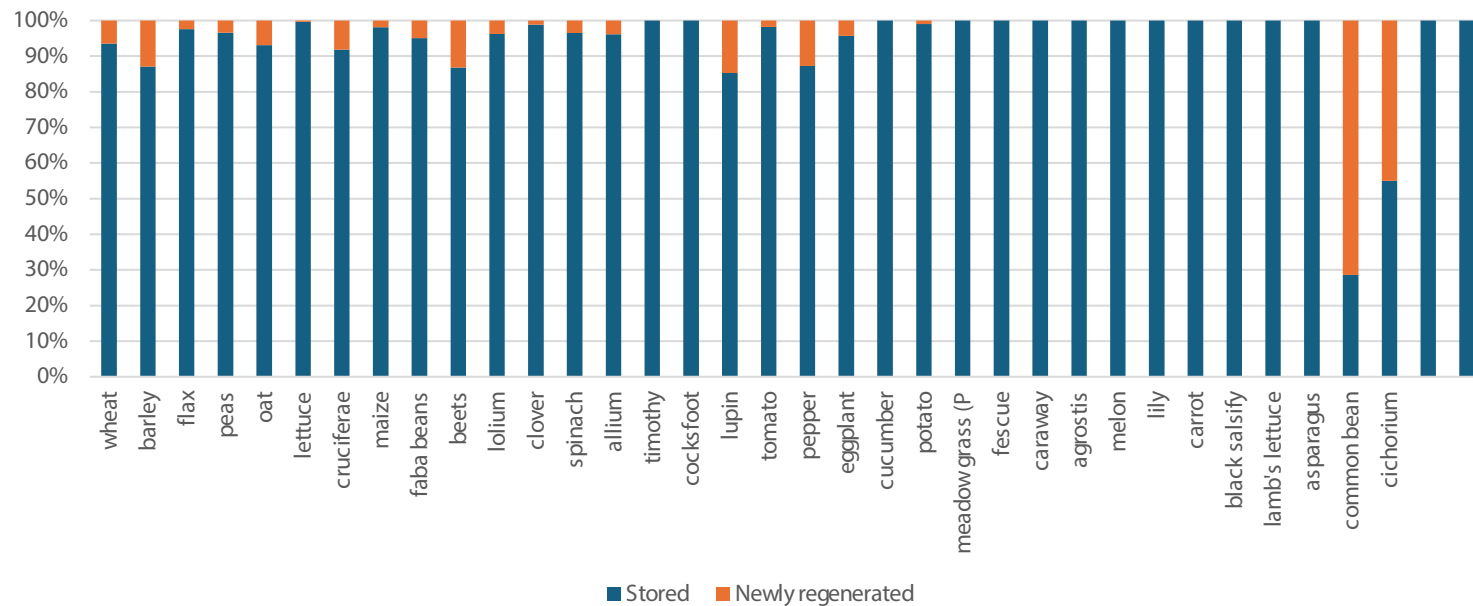


Compulsory metrics 5

CON_NREG: Number of accessions for which newly regenerated seeds were stored

Time interval: past 5 years

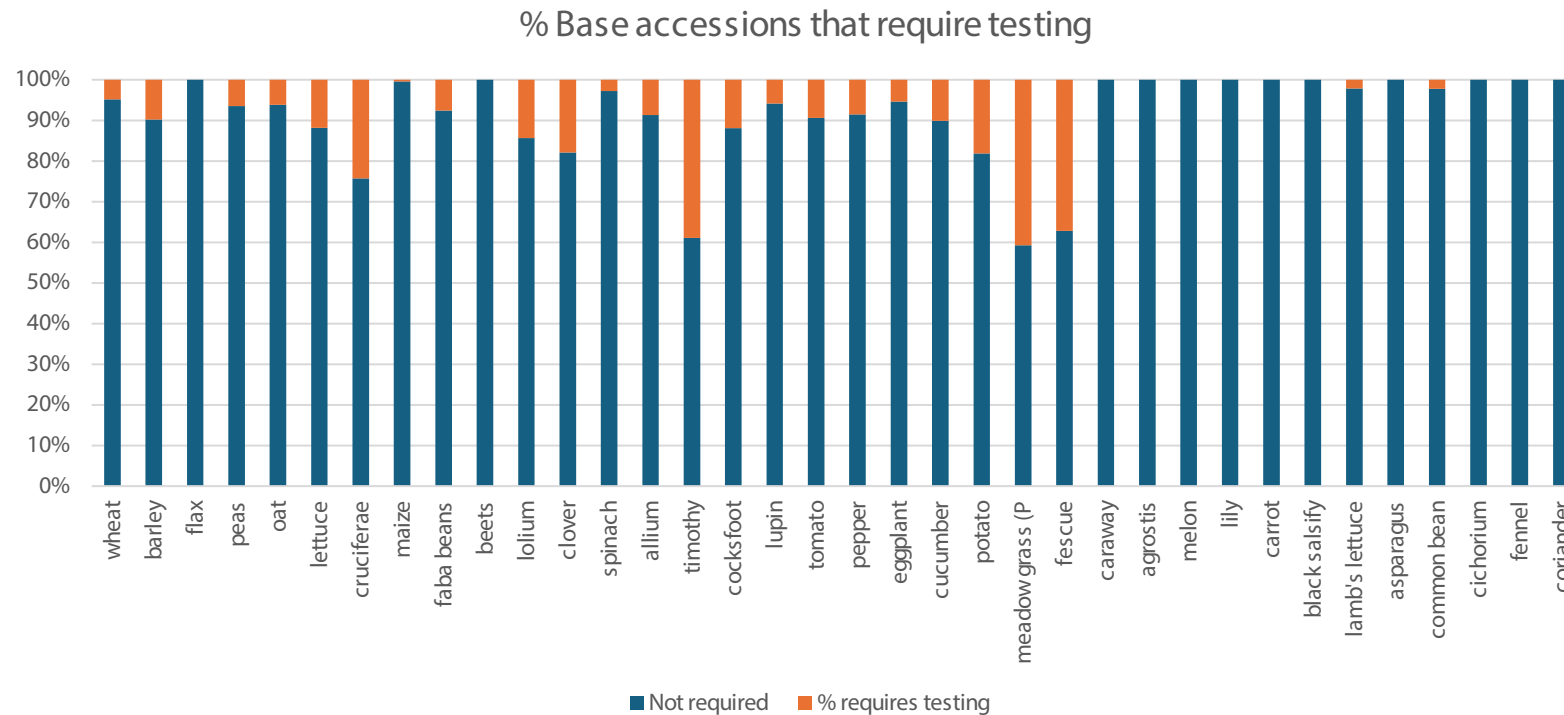
Percentage of accessions regenerated



Compulsory metrics 6

CON_GER: Number of accessions that need a germination test

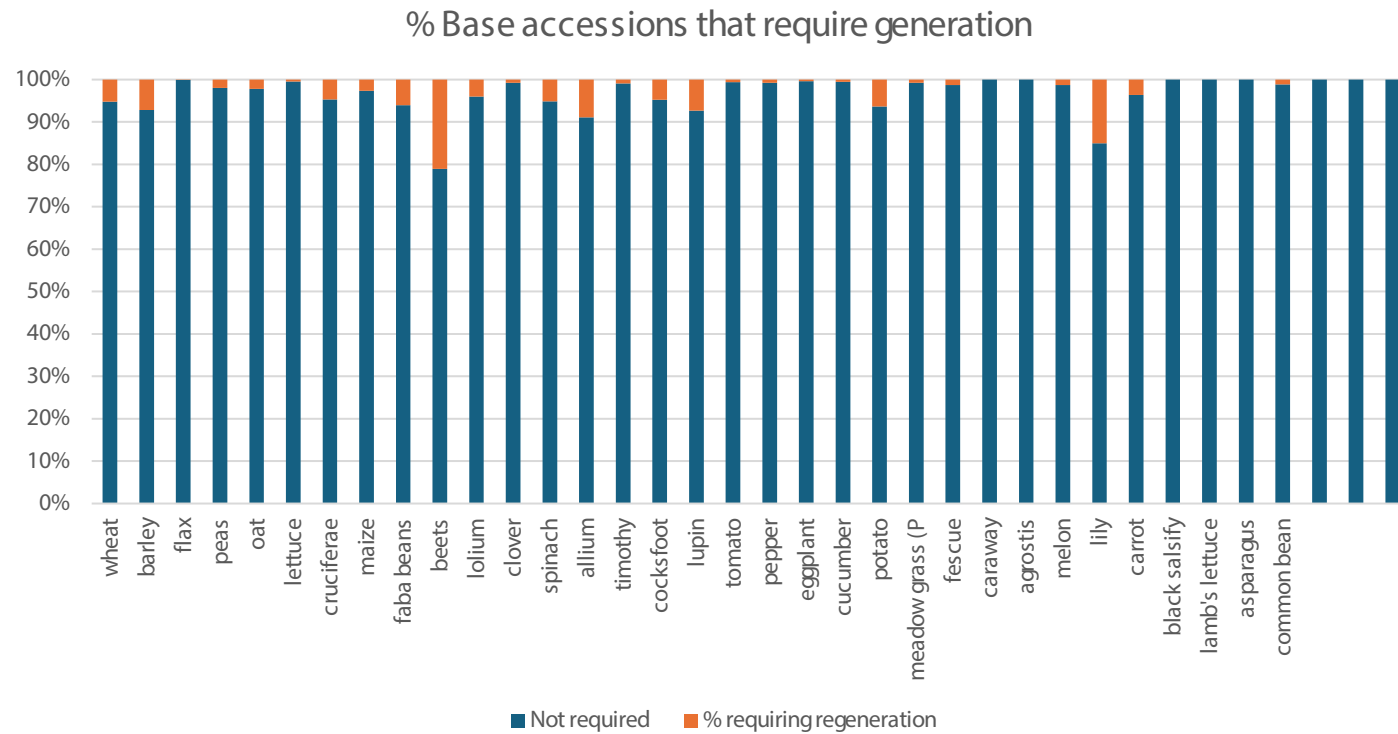
Per 3 February 2026



Compulsory metrics 7

CON_REG: Number of accessions that need to be regenerated

Per 3 February 2026

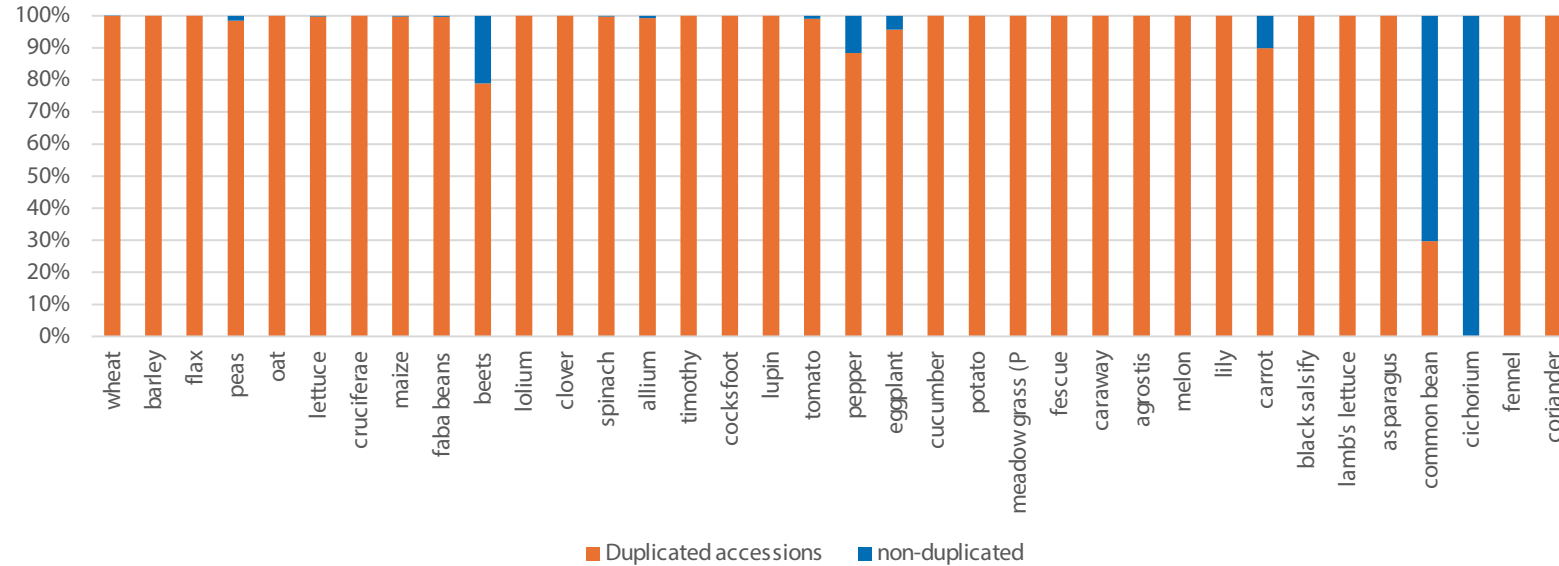


Compulsory metrics 8

CON_NSAF: Number of accessions that are safety duplicated

Per 3 February 2026

Safety duplicated accessions

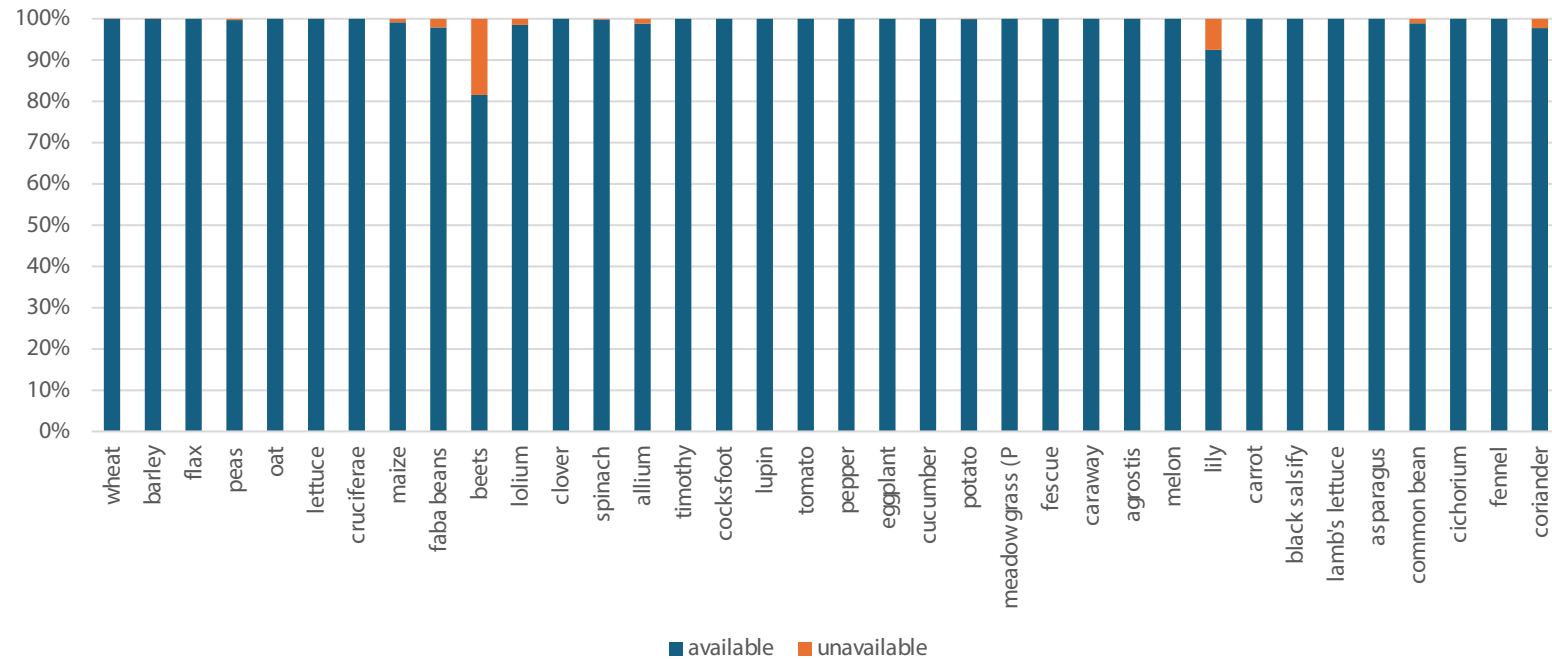


Compulsory metrics 9

AVA_AVA: Number of accessions that are readily available for distribution

Per 3 February 2026

Availability of accessions in the collection



Compulsory metrics 10

DIS_EXT: Number of distributed samples excluding internal genebank use

Time Interval: Past 5 years

crop	#acc	sent out	crop	#acc	sent out	crop	#acc	sent out	crop	#acc	sent out
wheat	4933	933	beets	38	5	pepper	1331	1562	lily	40	92
barley	2677	411	lolium	398	5	eggplant	539	1045	carrot	139	31
flax	954	436	clover	263	29	cucumber	924	679	black salsify	34	3
peas	1055	505	spinach	542	2061	potato	1480	268	lamb's lettuce	47	121
oat	406	555	allium	437	675	meadow grass (P	135	1	asparagus	49	34
lettuce	2589	3452	timothy	108	1	fescue	78	2	common bean	91	30
cruciferae	1811	2663	cocksfoot	42	9	caraway	23	8	cichorium	20	0
maize	488	1	lupin	68	81	agrostis	11	1	fennel	8	0
faba beans	725	526	tomato	1349	800	melon	79	88	coriander	44	0
Total										23955	17113

Thank you for listening

Laura Reiniers

Curator Brassicacea/Documentation

laura.reiniers@wur.nl

