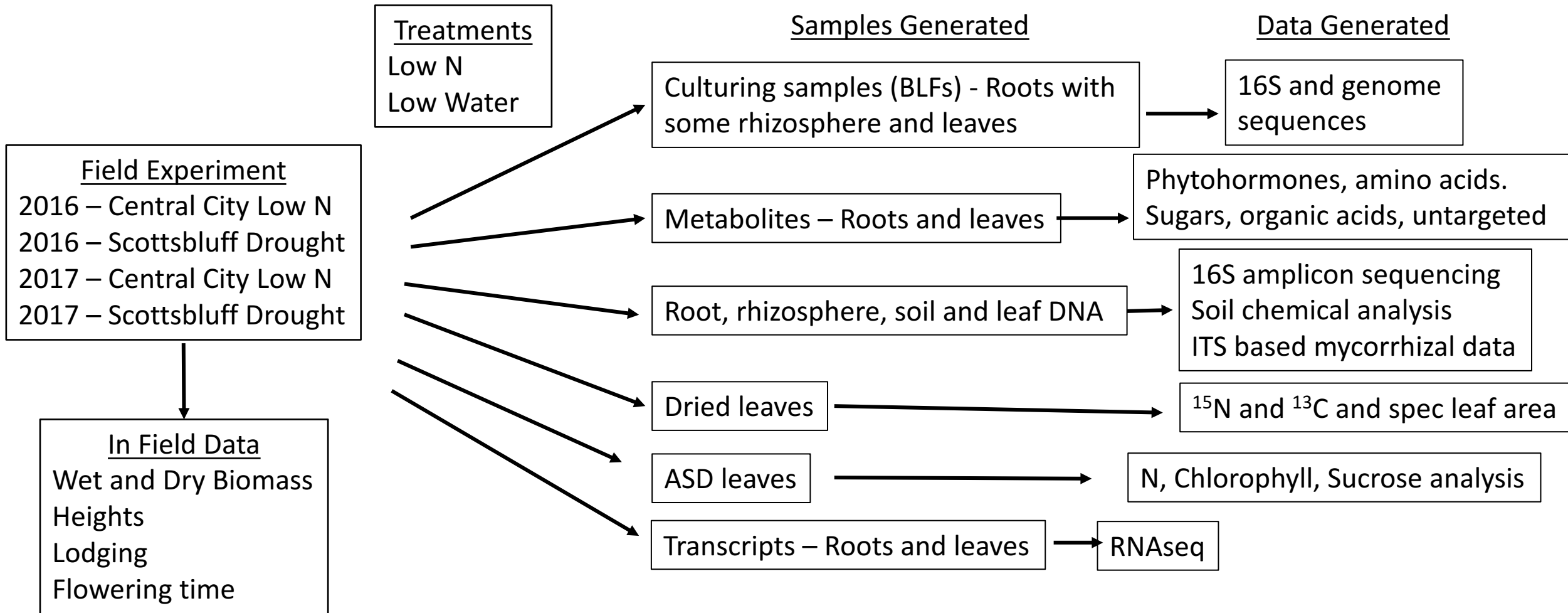
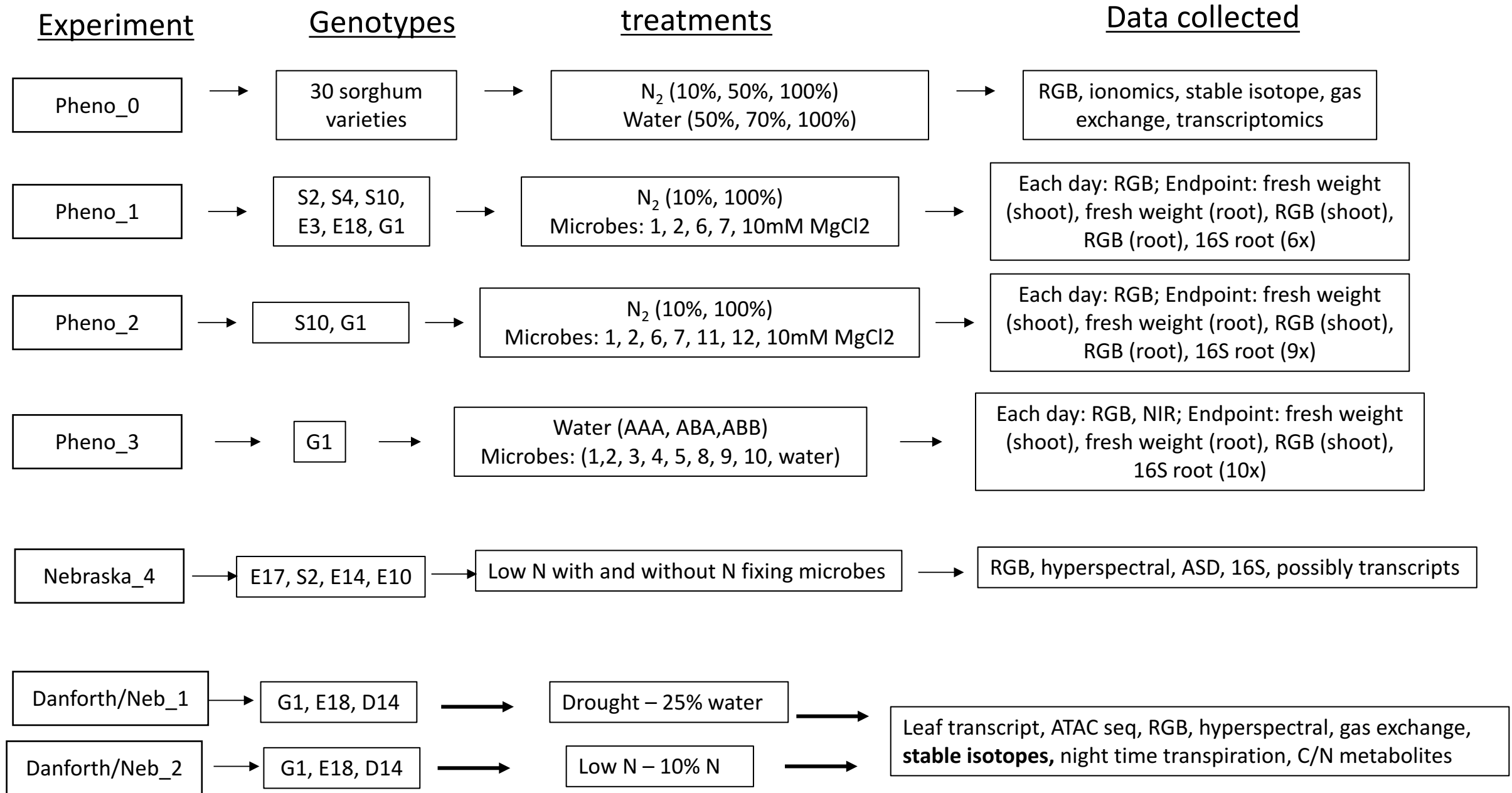


Field samplings (2016 and 2017)



For more information please visit the field summaries [Central City](#) and [Scottsbluff](#)

Greenhouse/Growth Chamber Phenotyping



Microbial cocktails key for Pheno Experiments

1. Dangl_non
2. Dangl_plant
3. SynCom_A
4. SynCom_B
5. SynCom_C
6. 2016_highN (lawns from BLF19,20,21,25,26,27,31,32,33)
7. 2016_lowN (lawns from BLF22,23,24,28,29,30,34,36)
8. Bartlab_WW (lawns from BLF1400,1408,1417,1737b,1745,1754)
9. Bartlab_WS (lawns from BLF1403,1411,1414,1740,1748,1751)
10. Bartlab_WWWS (mix #8 and #9)
11. 2017_highN (lawns from BLF1069,1070,1071,1072,1073,1074,1078,1080)
12. 2017_lowN (lawns from BLF1066,1067,1068,1075,1076,1077,1081,1082,1083)

Treatment key for Pheno Experiments

Nitrogen (N2):

- 100% (1mM Ammonium, 14.5mM Nitrate)
- 50% (0.5 mM Ammonium, 1.45 mM Nitrate)
- 10% (0.1mM Ammonium, 1.45 mM Nitrate)

Water:

- 50% (50% of 100% volume)
- 70% (70% of 100% volume)
- 100% (Saturation)
- AAA (Saturation)
- ABA (Saturation, 50%, of A)
- ABB (Saturation, 50% of A, 50% of A)

Conversion chart of project genotype designations to plant accessions

GRIN Plant ID or Common Name	Project Genotype Designations
PI_329311	E1
PI_213900	E2
PI_505735	E3
PI_329632	E4
PI_35038	E5
PI_585954	E6
NTJ2	E7
M81e	E8
PI_229841	E9
PI_297155	E10
PI_506069	E11
PI_508366	E12
PI_297130	E13
Grassl	E14
PI_152730	E15
PI_195754	E16
PI_655972	E17
PI_510757	E18
B.Az9504	S1
San Chi San	S2
ICSV700	S3
Atlas	S4
Leoti	S5
Chinese Amber	S6
Della	S7
Rio	S8
PI_642998	S9
China 17	S10
BTx623	G1
CK60B	G2
BTx642	G3