

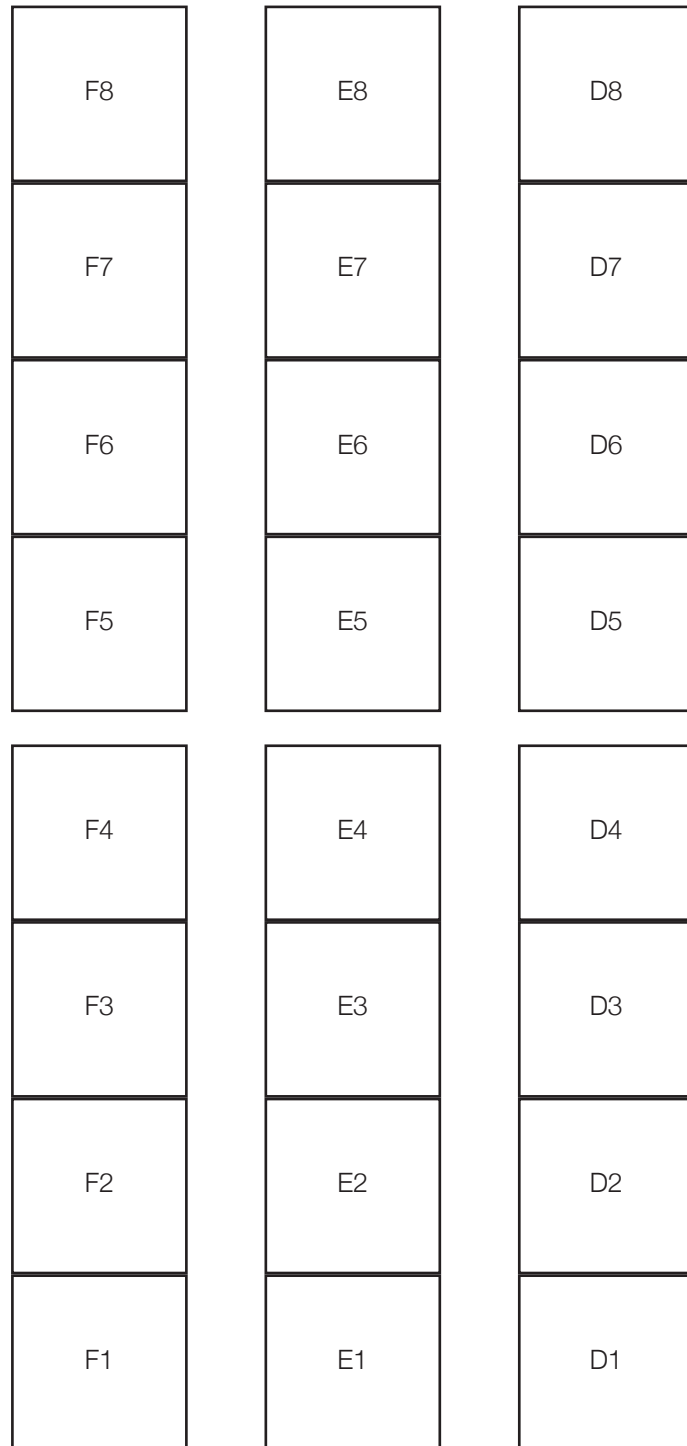


Growing Grit: Low Nutrient Substrates for Resilient Perennial Planting

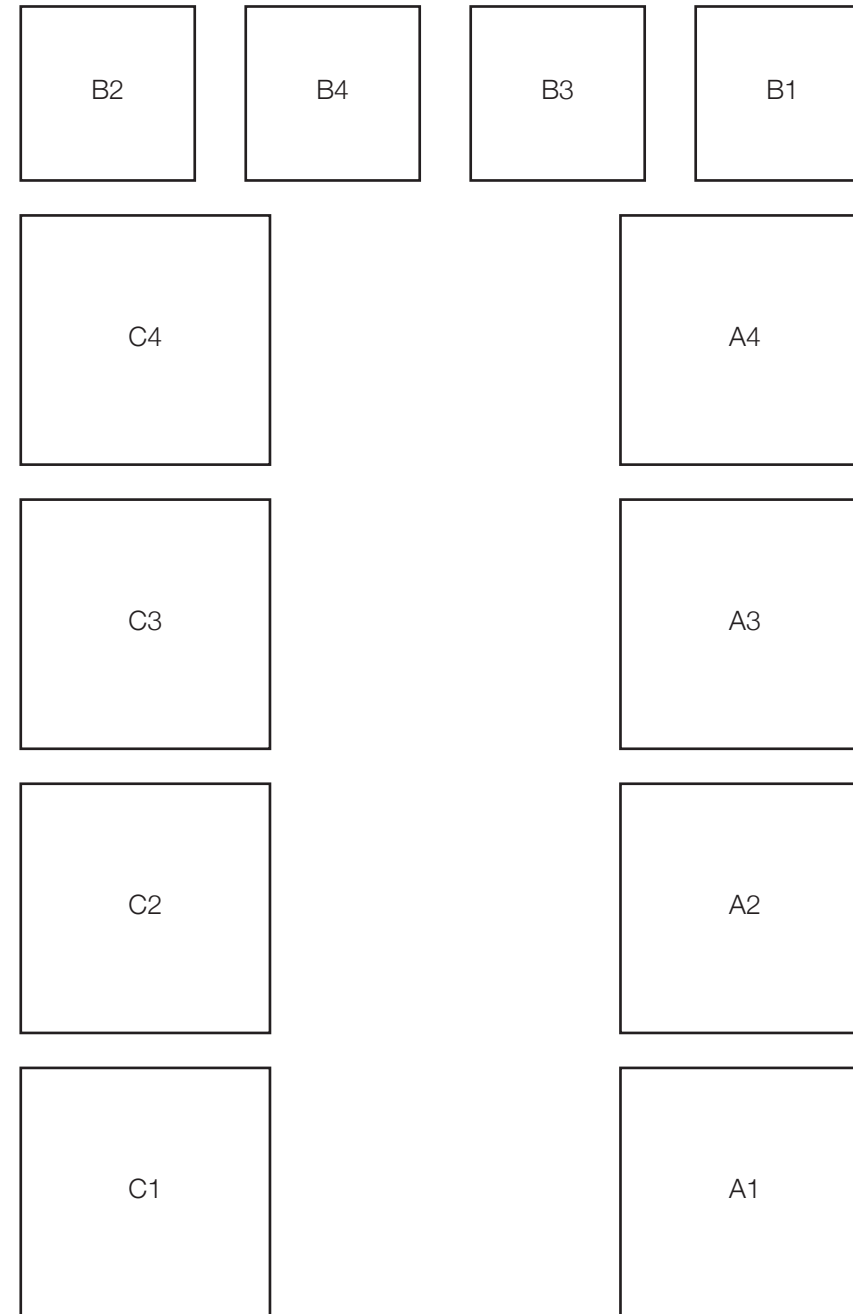
Trial Garden Layout and Substrate Mixtures

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Phase 2: September 2018



Phase 1: May 2018



Large beds: 6' x 6'
Small beds: 4' x 4'

Substrate Mixtures

Early Summer Planting

- A1: bulky palette A: 5" concrete / compost / sand (2:1:1), 3" concrete / sand (1:1)
- A2: bulky palette A: 9" concrete / compost / sand (2:1:1), 3" concrete / sand (1:1)
- A3: bulky palette A: 8" concrete / compost / sand (2:1:1)
- A4: bulky palette A: 12" concrete / compost / sand (2:1:1)

- B1: bulky palette: 6" crushed concrete
- B2: small palette: 6" crushed concrete
- B3: bulky palette: 6" concrete / sand (1:1)
- B4: small palette: 6" concrete / sand (1:1)

- C1: small palette A: 5" concrete / compost / sand (2:1:1), 3" concrete / sand (1:1)
- C2: small palette A: 9" concrete / compost / sand (2:1:1), 3" concrete / sand (1:1)
- C3: small palette A: 8" concrete / compost / sand (2:1:1)
- C4: small palette A: 12" concrete / compost / sand (2:1:1)

Fall Planting

- D1: 5" high performance bedding / compost (4:1), 1" pea gravel
- D2: 5" high performance bedding / compost (4:1), 1" pea gravel (M)
- D3: 5" high performance bedding / compost (4:1), 1" crushed limestone
- D4: 5" high performance bedding / compost (4:1), 1" crushed limestone (M)
- D5: 6" pea gravel / compost (4:1)
- D6: 6" pea gravel / compost (4:1) (M)
- D7: 6" crushed limestone / compost (4:1)
- D8: 6" crushed limestone / compost (4:1) (M)

- D1: 7" high performance bedding / compost (4:1), 1" pea gravel
- D2: 7" high performance bedding / compost (4:1), 1" pea gravel (M)
- D3: 7" high performance bedding / compost (4:1), 1" crushed limestone
- D4: 7" high performance bedding / compost (4:1), 1" crushed limestone (M)
- D5: 8" pea gravel / compost (4:1)
- D6: 8" pea gravel / compost (4:1) (M)
- D7: 8" crushed limestone / compost (4:1)
- D8: 8" crushed limestone / compost (4:1) (M)

- F1: unplanted
- F2: unplanted
- F3: 8" crushed limestone / compost (2:1)
- F4: 8" crushed limestone / pea gravel / compost (1:1:1)
- F5: 8" pea gravel / compost (4:1) (OF)
- F6: 8" crushed limestone / compost (4:1) (OF)
- F7: 7" high performance bedding / compost (4:1), 1" pea gravel (OF)
- F8: 7" high performance bedding / compost (4:1), 1" crushed limestone (OF)

M: mycorrhizal inoculant to be applied in spring 2019

OF: organic fertilizer (i.e. alfalfa meal pellets) to be applied in spring 2019