N – P2O5- K2O
(plot size) = 400 square feet)

Apply 40 lb N/acre
Apply 40 lb P/acre
Apply 40 lb K/acre

Sources:
46-0-0 (urea)
18-46-0 (diammonium phosphate)
0-0-60 (potash)

Resolve P first since we have a small amount of carrier N.

P2O5 \* 0.436 = %P K2O \* 0.830 =%K
P, 2 \* 30.97 = 61.94 K, 2 \* 39.09 = 78.18
O, 5 \* 15.99 = 79.95 O, 1 \* 15.99 = 15.99

141.89 94.17

61.94/141.89 = 0.436 78.18/94.17 = 0.830

1 acre = 43560ft2

P: 40/0.436 = 91.7 lb P2O5/acre
P: 91.7/0.46 = 199.34 lb 18-46-0 /acre

Plot 199.34/43560 = x/400 x = 1.830 lb/400 ft2

N: 199.34 \* 0.18 = 35.8 lb of carrier N/acre
N: 40 lb N/acre minus 35.8 lb of carrier N =4.2
N: 4.2/.46 = 9.13 lb 46-0-0 / acre

Plot 9.13/43560 = x/400 x = 0.084 lb/400 ft2

K: 40/0.830 = 48.2 lb K/acre
K: 48.2/0.60 = 80.32 lb 0-0-60 / acre
Plot 80.32/43560 = x/400 x = 0.737 lb/400 ft2