

# BEETS SIDNEY

13

YIELD NITROGEN

SOIL PHOSPHORUS (ppm)

SOIL POTASSIUM (ppm)

| Tons /Acre | Soil + Fertilizer | 0-3 | 4-7  | 8-11  | 12-15 | 16-19 | 20-40 | 41-75  | 76+ OLSON |      |       |        |         |         |         |         |      |
|------------|-------------------|-----|------|-------|-------|-------|-------|--------|-----------|------|-------|--------|---------|---------|---------|---------|------|
|            |                   | 0-5 | 6-10 | 11-15 | 16-20 | 20-25 | 26-53 | 54-100 | 101+ BRAY | 0-40 | 41-80 | 81-120 | 121-160 | 161-200 | 201-250 | 251-750 | 750+ |

### AGVISE BAND

|    |     |    |    |    |    |    |     |     |   |    |    |    |    |   |   |   |   |
|----|-----|----|----|----|----|----|-----|-----|---|----|----|----|----|---|---|---|---|
| 16 | 110 | 35 | 30 | 25 | 20 | 15 | 10* | 10* | 0 | 50 | 35 | 25 | 10 | 0 | 0 | 0 | 0 |
| 18 | 125 | 40 | 35 | 30 | 25 | 20 | 10* | 10* | 0 | 55 | 40 | 25 | 10 | 0 | 0 | 0 | 0 |
| 20 | 140 | 45 | 40 | 30 | 25 | 20 | 10* | 10* | 0 | 60 | 45 | 30 | 15 | 0 | 0 | 0 | 0 |
| 22 | 155 | 50 | 40 | 35 | 30 | 20 | 10* | 10* | 0 | 70 | 50 | 35 | 15 | 0 | 0 | 0 | 0 |
| 24 | 165 | 50 | 45 | 40 | 30 | 25 | 10* | 10* | 0 | 75 | 55 | 35 | 15 | 0 | 0 | 0 | 0 |
| 26 | 165 | 55 | 50 | 40 | 35 | 25 | 10* | 10* | 0 | 80 | 60 | 40 | 20 | 0 | 0 | 0 | 0 |

\* Starter

### AGVISE BROADCAST

|    |     |     |    |    |    |    |   |   |   |     |     |    |    |   |   |   |   |
|----|-----|-----|----|----|----|----|---|---|---|-----|-----|----|----|---|---|---|---|
| 16 | 110 | 70  | 55 | 45 | 35 | 20 | 0 | 0 | 0 | 95  | 75  | 50 | 30 | 0 | 0 | 0 | 0 |
| 18 | 125 | 75  | 65 | 50 | 40 | 25 | 0 | 0 | 0 | 110 | 85  | 55 | 30 | 0 | 0 | 0 | 0 |
| 20 | 140 | 85  | 70 | 55 | 40 | 30 | 0 | 0 | 0 | 120 | 90  | 65 | 35 | 0 | 0 | 0 | 0 |
| 22 | 155 | 95  | 80 | 60 | 45 | 30 | 0 | 0 | 0 | 135 | 100 | 70 | 40 | 0 | 0 | 0 | 0 |
| 24 | 165 | 100 | 85 | 70 | 50 | 35 | 0 | 0 | 0 | 145 | 110 | 75 | 40 | 0 | 0 | 0 | 0 |
| 26 | 165 | 110 | 90 | 75 | 55 | 35 | 0 | 0 | 0 | 160 | 120 | 85 | 45 | 0 | 0 | 0 | 0 |

### AGVISE BROADCAST WITH SOIL MAINTENANCE

|    |     |     |    |    |    |    |    |   |   |     |     |    |    |   |   |   |   |
|----|-----|-----|----|----|----|----|----|---|---|-----|-----|----|----|---|---|---|---|
| 16 | 110 | 70  | 55 | 45 | 35 | 30 | 30 | 0 | 0 | 95  | 75  | 50 | 50 | 0 | 0 | 0 | 0 |
| 18 | 125 | 75  | 65 | 50 | 40 | 30 | 30 | 0 | 0 | 110 | 85  | 55 | 55 | 0 | 0 | 0 | 0 |
| 20 | 140 | 85  | 70 | 55 | 40 | 35 | 35 | 0 | 0 | 120 | 90  | 65 | 60 | 0 | 0 | 0 | 0 |
| 22 | 155 | 95  | 80 | 60 | 45 | 40 | 40 | 0 | 0 | 135 | 100 | 70 | 65 | 0 | 0 | 0 | 0 |
| 24 | 165 | 100 | 85 | 70 | 50 | 40 | 40 | 0 | 0 | 145 | 110 | 75 | 70 | 0 | 0 | 0 | 0 |
| 26 | 165 | 110 | 90 | 75 | 55 | 45 | 45 | 0 | 0 | 160 | 120 | 85 | 80 | 0 | 0 | 0 | 0 |

### AGVISE BAND WITH SOIL MAINTENANCE

|    |     |    |    |    |    |    |    |     |   |    |    |    |    |   |   |   |   |
|----|-----|----|----|----|----|----|----|-----|---|----|----|----|----|---|---|---|---|
| 16 | 110 | 35 | 30 | 30 | 30 | 30 | 30 | 10* | 0 | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 |
| 18 | 125 | 40 | 35 | 30 | 30 | 30 | 30 | 10* | 0 | 55 | 55 | 55 | 55 | 0 | 0 | 0 | 0 |
| 20 | 140 | 45 | 40 | 35 | 35 | 35 | 35 | 10* | 0 | 60 | 60 | 60 | 60 | 0 | 0 | 0 | 0 |
| 22 | 155 | 50 | 40 | 40 | 40 | 40 | 40 | 10* | 0 | 70 | 65 | 65 | 65 | 0 | 0 | 0 | 0 |
| 24 | 165 | 50 | 45 | 40 | 40 | 40 | 40 | 10* | 0 | 75 | 70 | 70 | 70 | 0 | 0 | 0 | 0 |
| 26 | 165 | 55 | 50 | 45 | 45 | 45 | 45 | 10* | 0 | 80 | 80 | 80 | 80 | 0 | 0 | 0 | 0 |

### UNIVERSITY BROADCAST

|    |     |     |    |    |    |   |   |   |   |     |     |    |    |   |   |   |   |
|----|-----|-----|----|----|----|---|---|---|---|-----|-----|----|----|---|---|---|---|
| 16 | 110 | 60  | 45 | 25 | 10 | 0 | 0 | 0 | 0 | 90  | 60  | 35 | 10 | 0 | 0 | 0 | 0 |
| 18 | 125 | 70  | 50 | 30 | 10 | 0 | 0 | 0 | 0 | 100 | 70  | 40 | 10 | 0 | 0 | 0 | 0 |
| 20 | 140 | 75  | 55 | 35 | 10 | 0 | 0 | 0 | 0 | 110 | 75  | 45 | 10 | 0 | 0 | 0 | 0 |
| 22 | 155 | 85  | 60 | 35 | 15 | 0 | 0 | 0 | 0 | 120 | 85  | 45 | 10 | 0 | 0 | 0 | 0 |
| 24 | 165 | 90  | 65 | 40 | 15 | 0 | 0 | 0 | 0 | 130 | 90  | 50 | 10 | 0 | 0 | 0 | 0 |
| 26 | 165 | 100 | 70 | 45 | 15 | 0 | 0 | 0 | 0 | 145 | 100 | 55 | 10 | 0 | 0 | 0 | 0 |

Nitrogen guidelines suggested by Sidney Sugar.

All the nitrogen in the 0-48 inch profile is considered available.

Example: 0-24 N = 70 lb/ac; 24-28 N = 30 lb/ac. Calculated Available N = ( 70 + 30 ) = 100 lb/ac.

Total soil plus fertilizer nitrogen should not exceed 165 lb/ac