

Table 8. Annual bahiagrass nutrient removal via aboveground biomass from multiple Florida locations under different fertility management treatments over three years.

| Treatment                       |                       | Osceola                            | Orange | Columbia | Gulf |
|---------------------------------|-----------------------|------------------------------------|--------|----------|------|
|                                 |                       | ----- (kg ha <sup>-1</sup> ) ----- |        |          |      |
| <b>No nitrogen</b>              |                       |                                    |        |          |      |
| Complete fertilizer             | <i>a</i> <sup>z</sup> | 96                                 | 95     | 94       | 131  |
| Class AA biosolids <sup>y</sup> | <i>ab</i>             | 83                                 | 99     | 70       | 113  |
| Minus P fertilizer              | <i>a</i>              | 108                                | 98     | 90       | 109  |
| Minus K fertilizer              | <i>b</i>              | 86                                 | 100    | 63       | 103  |
| Minus N fertilizer              | <i>c</i>              | 32                                 | 58     | 44       | 70   |
| No fertilizer (check)           | <i>d</i>              | 38                                 | 45     | 25       | 61   |
| <b>No phosphorus</b>            |                       |                                    |        |          |      |
| Complete fertilizer             | <i>ab</i>             | 16.9                               | 18.3   | 14.7     | 19.0 |
| Class AA biosolids              | <i>a</i>              | 19.7                               | 21.1   | 13.6     | 22.1 |
| Minus P fertilizer              | <i>c</i>              | 11.8                               | 19.6   | 10.8     | 12.1 |
| Minus K fertilizer              | <i>bc</i>             | 16.6                               | 19.3   | 12.0     | 13.4 |
| Minus N fertilizer              | <i>d</i>              | 7.0                                | 10.5   | 6.7      | 11.9 |
| No fertilizer (check)           | <i>e</i>              | 6.7                                | 8.9    | 3.7      | 8.8  |
| <b>No potassium</b>             |                       |                                    |        |          |      |
| Complete fertilizer             | <i>a</i>              | 95                                 | 79     | 90       | 99   |
| Class AA biosolids              | <i>a</i>              | 96                                 | 72     | 67       | 85   |
| Minus P fertilizer              | <i>a</i>              | 125                                | 79     | 88       | 81   |
| Minus K fertilizer              | <i>c</i>              | 36                                 | 36     | 23       | 21   |
| Minus N fertilizer              | <i>b</i>              | 35                                 | 45     | 38       | 54   |
| No fertilizer (check)           | <i>d</i>              | 26                                 | 26     | 12       | 21   |

<sup>z</sup>Treatment main effects across four locations and three years (n=36). Means sharing the same letter are not significantly different at alpha = 0.05.

<sup>y</sup>Class AA biosolids + KCl (0-0-60)