Table 3 Testing for Relative Nitrate Levels

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variety | Fert. Trial | Location | Brix | Date 2010 | Brix | Date 2010 | Brix | Date 2011 | Tissue analysis Nitrate ppm | Date 2010 | Tissue analysis Nitrate ppm | Date 2011 |
| Mizuna | 1a | 1 | 6 | Nov | 5 | Dec |  | Mar | 2523 | Dec |  | Jan |
| Mizuna | 1a | 2 | 6 |  | 7 |  | 6 |  | 2432 |  | 2541 |  |
| Mizuna | 1b | 1 | 5 |  | 7 |  |  |  | 3674 |  |  |  |
| Mizuna | 1b | 2 | 6 |  | 7 |  | 7 |  | 4323 |  | 3411 |  |
| Mizuna | 2a | 1 | 7 |  | 6 |  |  |  | 2380 |  |  |  |
| Mizuna | 2a | 2 | 7 |  | 7 |  | 7 |  | 2311 |  | 2895 |  |
| Mizuna | 2b | 1 | 7 |  | 9 |  |  |  | 3327 |  |  |  |
| Mizuna | 2b | 2 | 5 |  | 7 |  | 7 |  | 1129 |  | 2778 |  |
| Mizuna | 3a | 1 | 6 |  | 7 |  |  |  | 3551 |  |  |  |
| Mizuna | 3a | 2 | 5 |  | 8 |  | 8 |  | 4677 |  | 2996 |  |
| Mizuna | 3b | 1 | 5 |  | 7 |  |  |  | 3422 |  |  |  |
| Mizuna | 3b | 2 | 6 |  | 7 |  | 7 |  | 4189 |  | 3222 |  |
| Mizuna | 4a | 1 | 6 |  | 8 |  |  |  | 4021 |  |  |  |
| Mizuna | 4a | 2 | 7 |  | 7 |  | 7 |  | 7997 |  | 4355 |  |
| Mizuna | 4b | 1 | 7 |  | 7 |  |  |  | 5227 |  |  |  |
| Mizuna | 4b | 2 | 6 |  | 7 |  | 8 |  | 4111 |  | 4621 |  |
| Spinach | 1a | 1 | 5 |  | 8 |  |  |  | 3223 |  |  |  |
| Spinach | 1a | 2 | 6 |  | 8 |  | 7 |  | 3523 |  |  |  |
| Spinach | 1b | 1 | 6 |  | 7 |  |  |  | 3775 |  |  |  |
| Spinach | 1b | 2 | 6 |  | 6 |  | 8 |  | 3499 |  |  |  |
| Spinach | 2a | 1 | 7 |  | 6 |  |  |  | 4190 |  |  |  |
| Spinach | 2a | 2 | 7 |  | 7 |  | 7 |  | 4288 |  |  |  |
| Spinach | 2b | 1 | 6 |  | 7 |  |  |  | 2889 |  |  |  |
| Spinach | 2b | 2 | 6 |  | 8 |  | 9 |  | 3412 |  |  |  |
| Spinach | 3a | 1 | 7 |  | 7 |  |  |  | 4487 |  |  |  |
| Spinach | 3a | 2 | 6 |  | 8 |  | 7 |  | 4003 |  |  |  |
| Spinach | 3b | 1 | 5 |  | 7 |  |  |  | 4719 |  |  |  |
| Spinach | 3b | 2 | 6 |  | 7 |  | 7 |  | 3883 |  |  |  |
| Spinach | 4a | 1 | 7 |  | 8 |  |  |  | 4256 |  |  |  |
| Spinach | 4a | 2 | 7 |  | 7 |  | 7 |  | 4311 |  |  |  |
| Spinach | 4b | 1 | 7 |  | 7 |  |  |  | 4867 |  |  |  |
| Spinach | 4b | 2 | 7 |  | 8 |  | 7 |  | 3699 |  |  |  |
| Kale | 1a | 1 | 7 |  | 8 |  |  |  | 3562 |  |  |  |
| Kale | 1a | 2 | 9 |  | 7 |  | 8 |  | 2890 |  | 2889 |  |
| Kale | 1b | 1 | 9 |  | 8 |  |  |  | 3225 |  |  |  |
| Kale | 1b | 2 | 9 |  | 10 |  | 9 |  | 3347 |  | 2643 |  |
| Kale | 2a | 1 | 7 |  | 9 |  |  |  | 4523 |  |  |  |
| Kale | 2a | 2 | 10 |  | 9 |  | 9 |  | 4732 |  | 3123 |  |
| Kale | 2b | 1 | 8 |  | 9 |  |  |  | 2119 |  |  |  |
| Kale | 2b | 2 | 9 |  | 8 |  | 9 |  | 3553 |  | 3448 |  |
| Kale | 3a | 1 | 9 |  | 11 |  |  |  | 2985 |  |  |  |
| Kale | 3a | 2 | 8 |  | 10 |  | 9 |  | 4415 |  | 3673 |  |
| Kale | 3b | 1 | 7 |  | 9 |  |  |  | 5722 |  |  |  |
| Kale | 3b | 2 | 7 |  | 9 |  | 10 |  | 3954 |  | 3246 |  |
| Kale | 4a | 1 | 8 |  | 8 |  |  |  | 4021 |  |  |  |
| Kale | 4a | 2 | 7 |  | 9 |  | 10 |  | 4354 |  | 5785 |  |
| Kale | 4b | 1 | 8 |  | 9 |  |  |  | 4377 |  |  |  |
| Kale | 4b | 2 | 9 |  | 9 |  | 10 |  | 5202 |  | 5632 |  |
| Lettuce | 1a | 1 | 6 |  | 6 |  | 5 |  | 2955 |  |  |  |
| Lettuce | 1a | 2 | 5 |  | 7 |  | 6 |  | 3099 |  | 2331 |  |
| Lettuce | 1b | 1 | 7 |  | 7 |  | 5 |  | 4235 |  |  |  |
| Lettuce | 1b | 2 | 4 |  | 7 |  | 7 |  | 5332 |  | 1887 |  |
| Lettuce | 2a | 1 | 7 |  | 7 |  | 6 |  | 916 |  |  |  |
| Lettuce | 2a | 2 | 8 |  | 6 |  | 7 |  | 3826 |  | 1022 |  |
| Lettuce | 2b | 1 | 6 |  | 7 |  | 5 |  | 1645 |  |  |  |
| Lettuce | 2b | 2 | 5 |  | 8 |  | 8 |  | 3753 |  | 3425 |  |
| Lettuce | 3a | 1 | 5 |  | 7 |  | 7 |  | 2190 |  |  |  |
| Lettuce | 3a | 2 | 5 |  | 8 |  | 7 |  | 2241 |  | 2256 |  |
| Lettuce | 3b | 1 | 6 |  | 8 |  | 7 |  | 2788 |  |  |  |
| Lettuce | 3b | 2 | 7 |  | 7 |  | 8 |  | 3421 |  | 2132 |  |
| Lettuce | 4a | 1 | 5 |  | 7 |  | 7 |  | 3998 |  |  |  |
| Lettuce | 4a | 2 | 5 |  | 8 |  | 7 |  | 3606 |  | 3471 |  |
| Lettuce | 4b | 1 | 6 |  | 9 |  | 7 |  | 4034 |  |  |  |
| Lettuce | 4b | 2 | 6 |  | 9 |  | 8 |  | 4743 |  | 3240 |  |
| Arugula | 1a | 1 |  |  |  |  |  |  | 2243 |  |  |  |
| Arugula | 1a | 2 | 6 |  | 8 |  | 8 |  | 3254 |  | 2335 |  |
| Arugula | 1b | 1 |  |  |  |  |  |  | 3117 |  |  |  |
| Arugula | 1b | 2 | 7 |  | 7 |  | 8 |  | 1955 |  | 3276 |  |
| Arugula | 2a | 1 |  |  |  |  |  |  | 2682 |  |  |  |
| Arugula | 2a | 2 | 6 |  | 7 |  | 8 |  | 2472 |  | 3003 |  |
| Arugula | 2b | 1 |  |  |  |  |  |  | 1899 |  |  |  |
| Arugula | 2b | 2 | 5 |  | 6 |  | 8 |  | 2016 |  | 2984 |  |
| Arugula | 3a | 1 |  |  |  |  |  |  | 3109 |  |  |  |
| Arugula | 3a | 2 | 7 |  | 7 |  | 7 |  | 4998 |  | 3522 |  |
| Arugula | 3b | 1 |  |  |  |  |  |  | 3122 |  |  |  |
| Arugula | 3b | 2 | 7 |  | 6 |  | 8 |  | 3432 |  | 3477 |  |
| Arugula | 4a | 1 |  |  |  |  |  |  | 4198 |  |  |  |
| Arugula | 4a | 2 | 6 |  | 8 |  | 7 |  | 5853 |  | 3423 |  |
| Arugula | 4b | 1 |  |  |  |  |  |  | 3427 |  |  |  |
| Arugula | 4b | 2 | 6 |  | 7 |  | 7 |  | 4007 |  | 3584 |  |
| Chard | 1a | 1 | 6 |  | 7 |  | 6 |  | 3575 |  |  |  |
| Chard | 1a | 2 | 6 |  | 7 |  | 7 |  | 4109 |  |  |  |
| Chard | 1b | 1 | 6 |  | 7 |  | 6 |  | 3352 |  |  |  |
| Chard | 1b | 2 | 7 |  | 7 |  | 6 |  | 2675 |  |  |  |
| Chard | 2a | 1 | 7 |  | 6 |  | 7 |  | 2772 |  |  |  |
| Chard | 2a | 2 | 6 |  | 8 |  | 6 |  | 3107 |  |  |  |
| Chard | 2b | 1 | 8 |  | 7 |  | 7 |  | 3411 |  |  |  |
| Chard | 2b | 2 | 8 |  | 8 |  | 7 |  | 2214 |  |  |  |
| Chard | 3a | 1 | 6 |  | 8 |  | 8 |  | 2954 |  |  |  |
| Chard | 3a | 2 | 6 |  | 7 |  | 6 |  | 3382 |  |  |  |
| Chard | 3b | 1 | 7 |  | 8 |  | 8 |  | 3177 |  |  |  |
| Chard | 3b | 2 | 8 |  | 7 |  | 7 |  | 3721 |  |  |  |
| Chard | 4a | 1 | 7 |  | 7 |  | 7 |  | 5622 |  |  |  |
| Chard | 4a | 2 | 7 |  | 7 |  | 6 |  | 3611 |  |  |  |
| Chard | 4b | 1 | 7 |  | 6 |  | 8 |  | 3367 |  |  |  |
| Chard | 4b | 2 | 7 |  | 7 |  | 6 |  | 3254 |  |  |  |
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Lettuce tested was Jericho; Spinach = Regiment; Kale = Winterbor