

## Pounds of Nitrogen per Hour from by Pump Output in GPM (500 -1000 gpm)



|  | lbs per<br>thsd gal | lbs/ac-in | mg/L<br>or ppm | gallons per minute (GPM) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|--|---------------------|-----------|----------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|  |                     |           |                | 500                      | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 |
|  | 0.2                 | 6         | 25             | 6                        | 7   | 7   | 7   | 8   | 8   | 8   | 8   | 9   | 9   | 9   | 10  | 10  | 10  | 11  | 11  | 11  | 12  | 12  | 12  | 13   |
|  | 0.4                 | 11        | 50             | 13                       | 13  | 14  | 14  | 15  | 16  | 16  | 17  | 18  | 18  | 19  | 19  | 20  | 21  | 21  | 22  | 23  | 23  | 24  | 24  | 25   |
|  | 0.6                 | 17        | 75             | 19                       | 20  | 21  | 22  | 23  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32  | 33  | 34  | 35  | 36  | 37  | 38   |
|  | 0.8                 | 23        | 100            | 25                       | 26  | 28  | 29  | 30  | 31  | 33  | 34  | 35  | 36  | 38  | 39  | 40  | 41  | 43  | 44  | 45  | 46  | 48  | 49  | 50   |
|  | 1.0                 | 28        | 125            | 31                       | 33  | 34  | 36  | 38  | 39  | 41  | 42  | 44  | 45  | 47  | 49  | 50  | 52  | 53  | 55  | 56  | 58  | 59  | 61  | 63   |
|  | 1.3                 | 34        | 150            | 38                       | 39  | 41  | 43  | 45  | 47  | 49  | 51  | 53  | 54  | 56  | 58  | 60  | 62  | 64  | 66  | 68  | 69  | 71  | 73  | 75   |
|  | 1.5                 | 40        | 175            | 44                       | 46  | 48  | 50  | 53  | 55  | 57  | 59  | 61  | 64  | 66  | 68  | 70  | 72  | 74  | 77  | 79  | 81  | 83  | 85  | 88   |
|  | 1.7                 | 45        | 200            | 50                       | 53  | 55  | 58  | 60  | 63  | 65  | 68  | 70  | 73  | 75  | 78  | 80  | 83  | 85  | 88  | 90  | 93  | 95  | 98  | 100  |
|  | 1.9                 | 51        | 225            | 56                       | 59  | 62  | 65  | 68  | 70  | 73  | 76  | 79  | 82  | 84  | 87  | 90  | 93  | 96  | 99  | 101 | 104 | 107 | 110 | 113  |
|  | 2.1                 | 57        | 250            | 63                       | 66  | 69  | 72  | 75  | 78  | 81  | 84  | 88  | 91  | 94  | 97  | 100 | 103 | 106 | 110 | 113 | 116 | 119 | 122 | 125  |
|  | 2.3                 | 62        | 275            | 69                       | 72  | 76  | 79  | 83  | 86  | 90  | 93  | 96  | 100 | 103 | 107 | 110 | 114 | 117 | 120 | 124 | 127 | 131 | 134 | 138  |
|  | 2.5                 | 68        | 300            | 75                       | 79  | 83  | 86  | 90  | 94  | 98  | 101 | 105 | 109 | 113 | 116 | 120 | 124 | 128 | 131 | 135 | 139 | 143 | 146 | 150  |
|  | 2.7                 | 74        | 325            | 81                       | 85  | 90  | 94  | 98  | 102 | 106 | 110 | 114 | 118 | 122 | 126 | 130 | 134 | 138 | 142 | 146 | 151 | 155 | 159 | 163  |
|  | 2.9                 | 79        | 350            | 88                       | 92  | 96  | 101 | 105 | 110 | 114 | 118 | 123 | 127 | 131 | 136 | 140 | 145 | 149 | 153 | 158 | 162 | 166 | 171 | 175  |
|  | 3.1                 | 85        | 375            | 94                       | 99  | 103 | 108 | 113 | 117 | 122 | 127 | 131 | 136 | 141 | 146 | 150 | 155 | 160 | 164 | 169 | 174 | 178 | 183 | 188  |
|  | 3.3                 | 91        | 400            | 100                      | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 195 | 200  |
|  | 3.5                 | 96        | 425            | 106                      | 112 | 117 | 122 | 128 | 133 | 138 | 144 | 149 | 154 | 160 | 165 | 170 | 176 | 181 | 186 | 192 | 197 | 202 | 207 | 213  |
|  | 3.8                 | 102       | 450            | 113                      | 118 | 124 | 130 | 135 | 141 | 146 | 152 | 158 | 163 | 169 | 175 | 180 | 186 | 192 | 197 | 203 | 208 | 214 | 220 | 225  |
|  | 4.0                 | 108       | 475            | 119                      | 125 | 131 | 137 | 143 | 149 | 155 | 161 | 166 | 172 | 178 | 184 | 190 | 196 | 202 | 208 | 214 | 220 | 226 | 232 | 238  |
|  | 4.2                 | 113       | 500            | 125                      | 131 | 138 | 144 | 150 | 156 | 163 | 169 | 175 | 182 | 188 | 194 | 200 | 207 | 213 | 219 | 225 | 232 | 238 | 244 | 250  |
|  | 4.4                 | 119       | 525            | 131                      | 138 | 145 | 151 | 158 | 164 | 171 | 177 | 184 | 191 | 197 | 204 | 210 | 217 | 223 | 230 | 237 | 243 | 250 | 256 | 263  |
|  | 4.6                 | 125       | 550            | 138                      | 145 | 151 | 158 | 165 | 172 | 179 | 186 | 193 | 200 | 207 | 213 | 220 | 227 | 234 | 241 | 248 | 255 | 262 | 269 | 275  |
|  | 4.8                 | 130       | 575            | 144                      | 151 | 158 | 166 | 173 | 180 | 187 | 194 | 202 | 209 | 216 | 223 | 230 | 238 | 245 | 252 | 259 | 266 | 274 | 281 | 288  |
|  | 5.0                 | 136       | 600            | 150                      | 158 | 165 | 173 | 180 | 188 | 195 | 203 | 210 | 218 | 225 | 233 | 240 | 248 | 255 | 263 | 270 | 278 | 285 | 293 | 300  |
|  | 5.2                 | 142       | 625            | 156                      | 164 | 172 | 180 | 188 | 196 | 203 | 211 | 219 | 227 | 235 | 243 | 250 | 258 | 266 | 274 | 282 | 289 | 297 | 305 | 313  |
|  | 5.4                 | 147       | 650            | 163                      | 171 | 179 | 187 | 195 | 203 | 212 | 220 | 228 | 236 | 244 | 252 | 260 | 269 | 277 | 285 | 293 | 301 | 309 | 317 | 325  |
|  | 5.6                 | 153       | 675            | 169                      | 177 | 186 | 194 | 203 | 211 | 220 | 228 | 237 | 245 | 253 | 262 | 270 | 279 | 287 | 296 | 304 | 313 | 321 | 330 | 338  |
|  | 5.8                 | 159       | 700            | 175                      | 184 | 193 | 202 | 210 | 219 | 228 | 237 | 245 | 254 | 263 | 272 | 280 | 289 | 298 | 307 | 315 | 324 | 333 | 342 | 350  |
|  | 6.0                 | 164       | 725            | 182                      | 191 | 200 | 209 | 218 | 227 | 236 | 245 | 254 | 263 | 272 | 281 | 290 | 299 | 309 | 318 | 327 | 336 | 345 | 354 | 363  |
|  | 6.3                 | 170       | 750            | 188                      | 197 | 207 | 216 | 225 | 235 | 244 | 253 | 263 | 272 | 282 | 291 | 300 | 310 | 319 | 329 | 338 | 347 | 357 | 366 | 376  |
|  | 6.5                 | 176       | 775            | 194                      | 204 | 213 | 223 | 233 | 243 | 252 | 262 | 272 | 281 | 291 | 301 | 310 | 320 | 330 | 340 | 349 | 359 | 369 | 378 | 388  |
|  | 6.7                 | 181       | 800            | 200                      | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | 361 | 371 | 381 | 391 | 401  |
|  | 6.9                 | 187       | 825            | 207                      | 217 | 227 | 238 | 248 | 258 | 269 | 279 | 289 | 299 | 310 | 320 | 330 | 341 | 351 | 361 | 372 | 382 | 392 | 403 | 413  |
|  | 7.1                 | 193       | 850            | 213                      | 223 | 234 | 245 | 255 | 266 | 277 | 287 | 298 | 309 | 319 | 330 | 340 | 351 | 362 | 372 | 383 | 394 | 404 | 415 | 426  |
|  | 7.3                 | 198       | 875            | 219                      | 230 | 241 | 252 | 263 | 274 | 285 | 296 | 307 | 318 | 329 | 340 | 350 | 361 | 372 | 383 | 394 | 405 | 416 | 427 | 438  |
|  | 7.5                 | 204       | 900            | 225                      | 237 | 248 | 259 | 270 | 282 | 293 | 304 | 315 | 327 | 338 | 349 | 361 | 372 | 383 | 394 | 406 | 417 | 428 | 439 | 451  |
|  | 7.7                 | 210       | 925            | 232                      | 243 | 255 | 266 | 278 | 289 | 301 | 313 | 324 | 336 | 347 | 359 | 371 | 382 | 394 | 405 | 417 | 428 | 440 | 452 | 463  |
|  | 7.9                 | 215       | 950            | 238                      | 250 | 262 | 274 | 285 | 297 | 309 | 321 | 333 | 345 | 357 | 369 | 381 | 392 | 404 | 416 | 428 | 440 | 452 | 464 | 476  |
|  | 8.1                 | 221       | 975            | 244                      | 256 | 269 | 281 | 293 | 305 | 317 | 330 | 342 | 354 | 366 | 378 | 391 | 403 | 415 | 427 | 439 | 452 | 464 | 476 | 488  |
|  | 8.3                 | 227       | 1000           | 250                      | 263 | 275 | 288 | 300 | 313 | 325 | 338 | 350 | 363 | 376 | 388 | 401 | 413 | 426 | 438 | 451 | 463 | 476 | 488 | 501  |