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| Supplementary Table 1 S1. Estimated metribuzin rate required to cause 50% visible injury (ID50), height reduction (HR50), and biomass reduction (GR50) for 142 rice cultivars. Plants were treated at the three- to four-leaf stage. Visible injury was assessed at 21 days after treatment (DAT) and heights were recorded and dry weights were collected 28 DAT. |
| Cultivar | Grain typea | ID50 | HR50 | GR50 |
|  |  | g ai ha-1 |
| RES12 | LG | 354 | 350 | 71 |
| RES13 | LG | 354 | 110 | 123 |
| RES9 | LG | 328 | 138 | 155 |
| RES227 | SG | 323 | 172 | 50 |
| RES159 | MG | 320 | 260 | 93 |
| RES17 | LG | 319 | 428 | 172 |
| Cocodrie | LG | 308 | 288 | 175 |
| RES4 | LG | 306 | 95 | 113 |
| RES190 | MG | 297 | 183 | 69 |
| RES114 | MG | 288 | 251 | 78 |
| RES41 | LG | 286 | 97 | 122 |
| RES205 | MG | 281 | 193 | 56 |
| RES171 | MG | 268 | 202 | 63 |
| RES8 | LG | 266 | 102 | 234 |
| RES342 | MG | 263 | 260 | 42 |
| RES2 | LG | 262 | 182 | 144 |
| RES19 | LG | 252 | 45 | 149 |
| RES32 | LG | 246 | 123 | 43 |
| RES3 | LG | 238 | 338 | 48 |
| RES125 | MG | 237 | 276 | 140 |
| RES14 | LG | 236 | 129 | 36 |
| RES28 | LG | 229 | 445 | 63 |
| RES46 | LG | 225 | 193 | 109 |
| RES175 | MG | 218 | 162 | 120 |
| RES221 | SG | 217 | 189 | 79 |
| RES111 | MG | 217 | 196 | 176 |
| RES160 | MG | 216 | 253 | 57 |
| Calaroma-201 | LG | 214 | 157 | 149 |
| RES344 | MG | 213 | 304 | 94 |
| RES333 | MG | 210 | 200 | 124 |
| RES161 | MG | 208 | 222 | 104 |
| RES29 | LG | 206 | 194 | 121 |
| RES21 | LG | 202 | 62 | 67 |
| RES216 | SG | 202 | 250 | 123 |
| RES200 | MG | 200 | 201 | 159 |
| L-204 | LG | 199 | 224 | 51 |
| RES119 | MG | 198 | 140 | 142 |
| RES167 | MG | 198 | 297 | 196 |
| L-203 | LG | 188 | 172 | 133 |
| RES131 | MG | 187 | 230 | 86 |
| RES130 | MG | 186 | 192 | 81 |
| RES40 | LG | 185 | 128 | 79 |
| RES16 | LG | 184 | 226 | 83 |
| L-201 | LG | 183 | 183 | 111 |
| RES360 | MG | 182 | 282 | 135 |
| RES174 | MG | 182 | 232 | 56 |
| RES22 | LG | 181 | 329 | 56 |
| RES20 | LG | 179 | 198 | 99 |
| RES241 | SG | 178 | 293 | 109 |
| RES176 | MG | 174 | 185 | 73 |
| RES185 | MG | 174 | 220 | 125 |
| RES121 | MG | 173 | 196 | 84 |
| M-105 | MG | 172 | 195 | 88 |
| RES117 | MG | 170 | 259 | 104 |
| A-202 | LG | 169 | 130 | 80 |
| M-205 | MG | 169 | 199 | 83 |
| S-201 | SG | 169 | 145 | 126 |
| RES359 | MG | 169 | 251 | 147 |
| S-301 | SG | 168 | 189 | 53 |
| RES204 | MG | 167 | 231 | 100 |
| RES5 | LG | 167 | 97 | 43 |
| RES146 | MG | 167 | 167 | 125 |
| Jazzmin-2 | LG | 166 | CFa | 73 |
| RES15 | LG | 166 | 186 | 137 |
| RES226 | SG | 166 | 99 | 119 |
| Calmati-201 | LG | 164 | 207 | 213 |
| RES154 | MG | 163 | 416 | 83 |
| RES107 | MG | 163 | 209 | 79 |
| RES120 | MG | 162 | 185 | 129 |
| RES199 | MG | 160 | 182 | 223 |
| RES11 | LG | 160 | 173 | 65 |
| RES247 | SG | 160 | 151 | 101 |
| RES259 | SG | 160 | 160 | 123 |
| RES44 | LG | 158 | 168 | 118 |
| RES172 | MG | 157 | 273 | 102 |
| RES45 | LG | 152 | 141 | 133 |
| RES142 | MG | 151 | 192 | 98 |
| RES37 | LG | 151 | 141 | 103 |
| RES341 | MG | 149 | 295 | 120 |
| RES110 | MG | 148 | 238 | 77 |
| RES153 | MG | 148 | 225 | 119 |
| RES157 | MG | 146 | 178 | 61 |
| Cheniere | LG | 146 | 181 | 79 |
| RES256 | SG | 145 | 172 | 122 |
| RES43 | LG | 144 | 274 | 65 |
| RES35 | LG | 143 | 158 | 94 |
| RES358 | MG | 143 | 193 | 42 |
| RES31 | LG | 143 | 183 | 97 |
| RES183 | MG | 142 | 186 | 60 |
| RES135 | MG | 142 | 224 | 170 |
| RES187 | MG | 142 | 292 | 93 |
| RES7 | LG | 142 | 139 | 90 |
| RES340 | MG | 140 | 189 | 79 |
| RES10 | LG | 138 | 157 | 92 |
| RES230 | SG | 135 | 185 | 131 |
| RES140 | MG | 134 | 237 | 84 |
| RES329 | MG | 132 | 278 | 115 |
| RES251 | SG | 132 | 127 | 98 |
| L-206 | LG | 131 | 109 | 41 |
| RES173 | MG | 130 | 210 | 132 |
| RES179 | MG | 129 | 230 | 127 |
| RES213 | SG | 128 | 119 | 99 |
| RES212 | SG | 128 | 174 | 148 |
| Titan | LG | 127 | 159 | 141 |
| CL271 | LG | 127 | 212 | 60 |
| RES214 | SG | 126 | 198 | 53 |
| RES218 | SG | 125 | 95 | 134 |
| RES280 | MG | 124 | 295 | 158 |
| RES261 | SG | 122 | 160 | 82 |
| RES236 | SG | 121 | 172 | 83 |
| RES233 | SG | 118 | 87 | 117 |
| Rex | LG | 118 | 145 | 45 |
| Della-2 | LG | 117 | 148 | 107 |
| RES25 | LG | 116 | 138 | 109 |
| RES209 | SG | 116 | 88 | 89 |
| RES39 | LG | 113 | 111 | 95 |
| A-201 | LG | 113 | 122 | 194 |
| RES238 | SG | 110 | 163 | 81 |
| RES24 | LG | 109 | 413 | 79 |
| RES245 | SG | 108 | 152 | 85 |
| RES201 | MG | 107 | 164 | 253 |
| RES220 | SG | 103 | 158 | 102 |
| RES244 | SG | 98 | 142 | 158 |
| RES228 | SG | 97 | 103 | 115 |
| RES243 | SG | 96 | 170 | 101 |
| RES237 | SG | 95 | 147 | 87 |
| S-102 | SG | 95 | 91 | 123 |
| RES223 | SG | 94 | 84 | 96 |
| RES38 | LG | 93 | 89 | 31 |
| RES30 | LG | 92 | 91 | 86 |
| Calmati-202 | LG | 92 | 60 | 41 |
| RES42 | LG | 90 | 86 | 71 |
| RES257 | SG | 89 | 121 | 103 |
| Rondo | LG | 88 | 86 | 55 |
| RES242 | SG | 86 | 126 | 81 |
| RES6 | LG | 86 | 102 | 103 |
| L-205 | LG | 86 | 68 | 56 |
| RES1 | LG | 86 | 109 | 145 |
| L-202 | LG | 85 | 92 | 46 |
| RES36 | LG | 73 | 74 | 235 |
| RES34 | LG | 66 | 32 | 26 |
| RES324 | LG | 55 | 57 | 53 |

aabbreviations: LG= long-grain; SG = short-grain; MG = medium-grain; CF = convergence failure