

TABLE 1--CONTINUED

| County | Location | Soil Type | Variety | Year | Sample Number | | Ash % | | Nitrogen % | | Phosphorus % | | Calcium % | | Magnesium % | | Potassium % | | Iron p.p.m. | | Manganese p.p.m. | | Boron p.p.m. | | Cobalt p.p.m. | | Copper p.p.m. | | Molybdenum p.p.m. | | Zinc p.p.m. | | Moisture % | |
|-------------|---|------------|-------------|------|---------------|-------|-------|-------|------------|------|--------------|------|-----------|------|-------------|------|-------------|------|-------------|-----|------------------|-----|--------------|----|---------------|------|---------------|------|-------------------|------|-------------|----|------------|------|
| | | | | | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L | E | L |
| Boone | SE $\frac{1}{4}$ SE $\frac{1}{4}$, S16, T48N, R12W | Lindley | | 1957 | 6-103 | 9-27 | 8.16 | 8.43 | 2.90 | 4.29 | .255 | .308 | 2.06 | 2.02 | .262 | .248 | 2.00 | 1.44 | 144 | 130 | 50 | 78 | 39 | 15 | .06 | .23 | 11.1 | 13.4 | 1.3 | 1.2 | 24 | 31 | 7.89 | 4.14 |
| Boone | SE $\frac{1}{4}$ SE $\frac{1}{4}$, S16, T48N, R12W | Lindley | | 1956 | 7-97 | | 6.03 | | 2.54 | | .277 | | 1.36 | | .255 | | 3.00 | | 90 | | 28 | | 23 | | .083 | | 9.0 | | .91 | | 19 | | 7.00 | |
| Boone | SE $\frac{1}{4}$ SE $\frac{1}{4}$, S16, T48N, R12W | Lindley | | 1954 | 7-52 | | 8.70 | | 2.28 | | .228 | | 1.32 | | .205 | | 2.52 | | 187 | | 56 | | 36 | | .08 | | 10.3 | | | | 19 | | | |
| Boone | NE $\frac{1}{4}$ NW $\frac{1}{4}$, S8, T48N, R14W | Menfro | No. N. Mex. | 1957 | 6-104 | 9-34 | 9.24 | 8.60 | 4.12 | 4.53 | .388 | .366 | 1.94 | 1.76 | .444 | .372 | 2.36 | 2.52 | 101 | 93 | 70 | 60 | 21 | 13 | .05 | .060 | 17.6 | 13.4 | .49 | .27 | 30 | 25 | 8.68 | 8.02 |
| Boone | NE $\frac{1}{4}$ NW $\frac{1}{4}$, S8, T48N, R14W | Menfro | No. N. Mex. | 1956 | 7-98 | | 7.46 | | 3.07 | | .262 | | 1.63 | | .296 | | 2.25 | | 88 | | 45 | | 23 | | .04 | | 12.0 | | .15 | | 20 | | 4.82 | |
| Boone | NE $\frac{1}{4}$ NW $\frac{1}{4}$, S8, T48N, R14W | Menfro | No. N. Mex. | 1954 | 7-55 | | 7.00 | | 2.95 | | .258 | | 1.44 | | .300 | | 1.95 | | 246 | | 60 | | 46 | | .026 | | 11.4 | | | | 21 | | | |
| Boone | NW $\frac{1}{4}$ NW $\frac{1}{4}$, S22, T48N, R14W | Menfro | | 1957 | 6-105 | 9-51 | 8.24 | 7.98 | 3.85 | 4.40 | .405 | .422 | 1.89 | 1.65 | .448 | .338 | 2.77 | 2.45 | 101 | 79 | 53 | 53 | 12 | 24 | .09 | .062 | 19 | 14.0 | .72 | .033 | 29 | 34 | 5.18 | 8.03 |
| Boone | NW $\frac{1}{4}$ NW $\frac{1}{4}$, S22, T58N, R14W | Menfro | | 1956 | 7-99 | | 12.4 | | 3.92 | | .57 | | 1.76 | | .353 | | 4.44 | | 146 | | 48 | | 14 | | .14 | | 19 | | .39 | | 32 | | 4.56 | |
| Boone | NW $\frac{1}{4}$ NW $\frac{1}{4}$, S22, T58N, R14W | Menfro | | 1954 | 7-54 | | 7.56 | | 2.59 | | .237 | | 1.38 | | .284 | | 2.29 | | 222 | | 72 | | 30 | | .10 | | 11.4 | | | | 10 | | | |
| Boone | NW $\frac{1}{4}$ NW $\frac{1}{4}$, S22, T58N, R14W | Menfro | | 1954 | 7-53 | | 7.58 | | 2.72 | | .283 | | 1.26 | | .250 | | 2.58 | | 191 | | 66 | | 35 | | .06 | | 9.6 | | | | 18 | | | |
| Boone | NW $\frac{1}{4}$ SW $\frac{1}{4}$, S23, T48N, R14W | Menfro | | 1957 | 6-87 | 9-61 | 7.56 | 7.14 | 3.41 | 3.60 | .320 | .289 | 1.60 | 1.48 | .285 | .320 | 2.01 | 2.11 | 96 | 79 | 43 | 65 | 21 | 11 | .17 | .064 | 12 | 7.2 | .52 | .16 | 23 | 17 | 7.38 | 8.35 |
| Perry | SW $\frac{1}{4}$ SE $\frac{1}{4}$, S33, T35N, R13E | Menfro | | 1956 | 6-37 | 9-55 | 6.58 | 6.42 | 3.39 | 3.23 | .309 | .301 | 1.55 | 1.50 | .367 | .244 | 2.08 | 2.00 | 95 | 106 | 45 | 58 | 20 | 17 | .072 | .083 | 11.8 | 9.9 | .27 | .35 | 21 | 18 | 6.87 | 7.24 |
| Perry | SW $\frac{1}{4}$ SE $\frac{1}{4}$, S33, T35N, R13E | Menfro | | 1957 | 6-88 | 9-50 | 6.84 | 6.00 | 3.54 | 3.42 | .318 | .276 | 1.45 | 1.67 | .355 | .382 | 1.66 | 1.24 | 109 | 99 | 58 | 85 | 18 | 17 | .18 | .13 | 11 | 10.2 | .29 | | 20 | | 8.83 | 8.63 |
| Perry | SW $\frac{1}{4}$ SE $\frac{1}{4}$, S34, T35N, R13E | Menfro | | 1956 | 6-38 | 9-54 | 5.96 | 7.88 | 3.71 | 3.99 | .277 | .307 | 1.73 | 2.29 | .435 | .494 | 1.51 | 1.82 | 144 | 196 | 63 | 70 | 20 | 19 | .086 | .082 | 14.6 | 13.8 | .20 | .19 | 24 | 27 | 12.00 | 5.63 |
| Pettis | SW $\frac{1}{4}$ NW $\frac{1}{4}$, S15, T47N, R22W | Summit | Hardy | 1954 | 7-51 | | 8.06 | | 3.11 | | .20 | | 1.63 | | .332 | | 1.93 | | 194 | | 77 | | 55 | | .04 | | 10.3 | | | | 19 | | | |
| Jasper | SE $\frac{1}{4}$ SW $\frac{1}{4}$, S34, T30N, R30W | Gerald | Non-Hardy | 1954 | 7-49 | | 7.60 | | 3.19 | | .204 | | 2.18 | | .375 | | 1.16 | | 209 | | 102 | | 40 | | .08 | | 9.0 | | | | 18 | | | |
| Jasper | NE $\frac{1}{4}$ NE $\frac{1}{4}$, S35, T30N, R30W | Gerald | | 1954 | 7-50 | | 8.55 | | 3.13 | | .266 | | 1.85 | | .288 | | 1.8 | | 250 | | 88 | | 42 | | .08 | | 9.3 | | | | 18 | | | |
| Jasper | SW $\frac{1}{4}$ SW $\frac{1}{4}$, S11, T29N, R31W | Gerald | Kans. Com. | 1954 | 7-48 | | 9.93 | | 3.27 | | .212 | | 1.65 | | .325 | | 2.72 | | 316 | | 115 | | 80 | | .063 | | 7.77 | | | | | | | |
| Audrain | 1 Mi. N. Mexico | Huntington | | 1957 | 7-41 | 9-33 | 7.37 | 9.45 | 4.01 | 5.08 | .396 | .472 | 1.34 | 1.39 | .236 | .290 | 2.88 | 2.84 | 212 | 115 | 62 | 187 | 23 | 27 | .12 | .56 | 15.5 | 14.1 | .38 | .86 | 23 | 51 | 7.07 | 8.92 |
| Greene | NE $\frac{1}{4}$ SE $\frac{1}{4}$, S36, T30N, R22W | Huntington | Kans. Com. | 1956 | 7-4 | 7-103 | 6.28 | 11.68 | 3.02 | 5.05 | .304 | .489 | 1.68 | 1.69 | .255 | .300 | 1.85 | 3.20 | 217 | 227 | 63 | 63 | 18 | 25 | .11 | .20 | 11.9 | 21 | .23 | .43 | 20 | 43 | 9.05 | 8.98 |
| Greene | 3 Mi. E., 1 Mi. S. Springfield | Baxter | Kans. Com. | 1957 | 6-91 | 9-43 | 10.1 | 8.83 | 3.84 | 4.37 | .288 | .311 | 1.82 | 2.01 | .231 | .423 | 2.18 | 1.50 | 174 | 139 | 53 | 94 | 47 | 20 | .048 | .21 | 10.6 | 8.1 | .39 | .12 | 55 | 25 | 5.99 | 9.78 |
| Greene | 3 Mi. E., 1 Mi. S. Springfield | Baxter | Kans. Com. | 1956 | 7-1 | 7-104 | 7.96 | 6.37 | 4.08 | 3.63 | .343 | .332 | 1.69 | 1.88 | .330 | .255 | 2.15 | 1.90 | 209 | 161 | 58 | 53 | 10 | 15 | .19 | .14 | 14.8 | 13.0 | .26 | .21 | 23 | 31 | 7.68 | 4.83 |
| Greene | NW $\frac{1}{4}$ SE $\frac{1}{4}$, S13, T28N, R23W | Baxter | Kans. Com. | 1957 | 6-92 | 9-48 | 9.64 | 8.32 | 3.76 | 5.17 | .358 | .358 | 1.41 | 1.44 | .274 | .328 | 2.70 | 2.71 | 101 | 90 | 85 | 65 | 30 | 18 | .25 | .18 | 13.4 | 12.5 | .17 | .22 | 32 | 27 | 8.03 | 9.54 |
| Greene | NW $\frac{1}{4}$ SE $\frac{1}{4}$, S13, T28N, R22W | Baxter | Kans. Com. | 1956 | 7-3 | | 7.68 | | 3.37 | | .295 | | 1.61 | | .338 | | 2.44 | | 122 | | 75 | | 29 | | .15 | | 10.5 | | .17 | | 20 | | 4.99 | |
| Greene | SW $\frac{1}{4}$ SW $\frac{1}{4}$, S11, T28N, R22W | Baxter | Kans. Com. | 1957 | 6-93 | 9-30 | 11.1 | 7.95 | 4.67 | 3.83 | .351 | .262 | 1.55 | 3.58 | .248 | .294 | 3.34 | 1.82 | 114 | 178 | 64 | 100 | 31 | 22 | .47 | .33 | 12 | 10.6 | .65 | .09 | 24 | 17 | 8.17 | 8.23 |
| Greene | SW $\frac{1}{4}$ SW $\frac{1}{4}$, S11, T28N, R22W | Baxter | Kans. Com. | 1956 | 7-2 | 7-105 | 6.24 | 8.25 | 2.97 | 3.53 | .24 | .277 | 1.55 | 1.96 | .236 | .346 | 1.85 | 2.40 | 108 | 183 | 60 | 93 | 38 | 23 | .12 | .21 | 9.2 | 12.8 | .17 | .45 | 14 | 23 | 8.62 | 9.01 |
| Greene | NE $\frac{1}{4}$ SW $\frac{1}{4}$, S2, T34N, R11E | Hagerstown | Oklahoma | 1957 | 6-86 | 9-44 | 6.75 | 8.42 | 3.37 | 4.33 | .312 | .382 | 1.52 | 1.52 | .294 | .320 | 1.74 | 2.59 | 91 | 137 | 50 | 73 | 17 | 14 | .14 | .082 | 12 | 11.2 | .42 | .13 | 25 | 29 | 5.43 | 9.01 |
| Greene | NE $\frac{1}{4}$ SW $\frac{1}{4}$, S2, T34N, R11E | Hagerstown | Oklahoma | 1956 | 6-35 | 9-52 | 7.28 | 9.09 | 3.14 | 4.13 | .313 | .346 | 1.78 | 1.91 | .411 | .518 | 2.30 | 2.25 | 116 | 134 | 58 | 73 | 18 | 14 | .054 | .052 | 13.0 | 12.5 | .17 | .16 | 28 | 24 | 9.91 | 9.16 |
| Greene | SW $\frac{1}{4}$ NE $\frac{1}{4}$, S17, T34N, R13E | Hagerstown | Oklahoma | 1957 | 6-85 | 9-42 | 6.45 | 8.22 | 2.71 | 3.88 | .254 | .311 | 1.13 | 1.50 | .270 | .331 | 1.83 | 2.27 | 97 | 121 | 43 | 73 | 13 | 13 | .16 | .087 | 13.5 | 7.4 | .25 | .037 | 27 | 17 | 7.77 | 8.64 |
| Greene | SW $\frac{1}{4}$ NE $\frac{1}{4}$, S17, T34N, R13E | Hagerstown | Oklahoma | 1956 | 6-36 | 9-53 | 6.16 | 8.12 | 3.26 | 3.51 | .283 | .283 | 1.42 | 1.80 | .408 | .418 | 1.95 | 2.50 | 138 | 119 | 54 | 60 | 10 | 22 | .08 | .083 | 14 | 12.5 | .19 | .10 | 24 | 27 | 9.26 | 7.30 |
| Mississippi | NW $\frac{1}{4}$ SE $\frac{1}{4}$, S36, T26N, R15E | Lintonia | Buffalo | 1957 | 6-25 | 9-49 | 10.3 | 7.38 | 4.17 | 3.62 | .44 | .334 | 1.04 | 1.38 | .273 | .318 | 3.28 | 1.86 | 131 | 194 | 83 | 50 | 24 | 26 | .44 | .14 | 65 | 12 | .31 | .14 | 21 | 24 | 6.62 | 9.48 |
| Mississippi | NW $\frac{1}{4}$ SE $\frac{1}{4}$, S36, T26N, R15E | Lintonia | Buffalo | 1956 | 6-27 | 8-19 | 7.29 | 5.40 | 3.61 | 2.89 | .327 | .272 | 1.20 | 1.23 | .231 | .264 | 3.61 | 1.90 | 134 | 122 | 28 | 30 | 21 | 18 | .17 | .094 | 10.0 | 8.7 | .32 | .19 | 21 | 18 | 7.07 | 4.02 |
| Mississippi | SW $\frac{1}{4}$ SW $\frac{1}{4}$, S26, T26N, R15E | Lintonia | Buffalo | 1957 | 6-26 | 9-35 | 9.53 | 9.07 | 3.35 | 4.41 | .416 | .425 | 1.54 | 1.94 | .290 | .316 | | 2.01 | 112 | 134 | 85 | 46 | 31 | 36 | .26 | | 11.9 | | 1.63 | | 20 | 20 | 7.13 | 8.94 |
| Mississippi | SW $\frac{1}{4}$ SW $\frac{1}{4}$, S26, T26N, R15E | Lintonia | Buffalo | 1956 | 6-28 | 8-20 | 10.1 | 8.03 | 5.34 | 4.61 | .631 | .596 | 1.02 | 1.28 | .35 | .524 | 3.04 | 3.25 | 226 | 117 | 55 | 63 | 27 | 21 | .27 | .26 | 18.6 | 18.3 | 1.30 | .86 | 40 | 40 | 8.48 | 8.09 |
| Mississippi | SW $\frac{1}{4}$ NE $\frac{1}{4}$, S32, T27N, R17E | Sharkey | Ranger | 1957 | 6-24 | 9-45 | 9.94 | 8.14 | 4.15 | 4.16 | .515 | .388 | 1.56 | 1.69 | .360 | .392 | 2.68 | 2.35 | 164 | 112 | 38 | 50 | 34 | 27 | .13 | .021 | 22.5 | 10.1 | .92 | .79 | 23 | 20 | 6.65 | 9.46 |
| Mississippi | SW $\frac{1}{4}$ NE $\frac{1}{4}$, S32, T27N, R17E | Sharkey | Ranger | 1956 | 6-29 | 8-22 | 11.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |