

| USTN Public Data ¹ | | | | | | | | | EC3-105E | | | | | YEAR 2017 | | | | | ALL LOCATIONS - 2017 | | | | |
|---------------------------------------|-------|---------|-----------|-------------|------|--------|---------------|---------|------------|-------|------|----------|--------|-----------|--|--|--|--|----------------------|--|--|--|--|
| Test | USTN# | Breeder | Hybrid | Seed trt | CRMt | Traits | Native traits | Stature | Yield % of | | | | Test | | | | | | | | | | |
| | | | | | | | | | Mean | Yield | Y/M | Moisture | Weight | | | | | | | | | | |
| EC3-105E | 3182 | AL | 42-05 | Cruiser 250 | 105 | none | | tall | 111 | 207 | 10.9 | 19.5 | 58.3 | | | | | | | | | | |
| EC3-105E | 3180 | AL | 40-03UP | Cruiser 250 | 103 | none | Ultra-Pure | short | 110 | 205 | 11.5 | 18.6 | 59.2 | | | | | | | | | | |
| EC3-105E | 3151 | MAS | DM4035 | none | 100 | none | | average | 109 | 203 | 11.1 | 18.8 | 56.2 | | | | | | | | | | |
| EC3-105E | 3181 | AL | 72-04 | Cruiser 250 | 104 | none | | average | 108 | 201 | 11.3 | 17.5 | 54.7 | | | | | | | | | | |
| EC3-105E | 3152 | MAS | MGM312220 | none | 100 | none | | average | 102 | 189 | 11 | 17.8 | 56.8 | | | | | | | | | | |
| EC3-105E | 3153 | MAS | MGM270104 | none | 100 | none | | average | 101 | 188 | 10.8 | 17.6 | 57 | | | | | | | | | | |
| SUMMARY STATISTICS² | | | | | | | | | | | | | | | | | | | | | | | |
| mean | | | | | | | | | | 186 | 9.8 | 19.8 | 57 | | | | | | | | | | |
| lsd05 | | | | | | | | | | 34.1 | 2.3 | 2.2 | 1.6 | | | | | | | | | | |
| lsd25 | | | | | | | | | | 17.3 | 1.3 | 1.2 | 0.9 | | | | | | | | | | |
| df | | | | | | | | | | 5 | 27.7 | 15.8 | 23.7 | | | | | | | | | | |
| cv | | | | | | | | | | 9.8 | 8.8 | 6.3 | 1.5 | | | | | | | | | | |
| r2_plot | | | | | | | | | | 43.9 | 62.2 | 74.8 | 65.8 | | | | | | | | | | |
| r2_blup | | | | | | | | | | 81.4 | 84.4 | 90.2 | 85.6 | | | | | | | | | | |
| locs | | | | | | | | | | 4 | 4 | 4 | 3 | | | | | | | | | | |
| varline | | | | | | | | | | 385 | 3.4 | 4.9 | 1.9 | | | | | | | | | | |
| vargxe | | | | | | | | | | 161 | 1.3 | 0.1 | 0.2 | | | | | | | | | | |
| resid | | | | | | | | | | 330 | 0.7 | 1.5 | 0.8 | | | | | | | | | | |
| plant | | | | | | | | | | | | | | | | | | | | | | | |
| harvest | | | | | | | | | | | | | | | | | | | | | | | |

¹THIS REPORTS SHOWS ONLY THE PUBLIC ENTRIES IN THE TEST.

²SUMMARY STATISTICS ARE BASED ON ALL ENTRIES IN TEST, PUBLIC & NON-PUBLIC ENTRIES.

| USTN Public Data ¹ | | | | | | | | | IN_Valparaiso | | | | | | | | |
|---------------------------------------|-------|---------|-----------|-------------|------|--------|---------------|---------|---------------|-----------------|-------------|-------------|-----------------|----------------|----------|--|--|
| EC3-105E | | | | | | | | | YEAR 2017 | | | | | | | | |
| Test | USTN# | Breeder | Hybrid | Seed trt | CRMt | Traits | Native traits | Stature | Yield % of | | | Test Weight | Stalk Lodging % | Root Lodging % | | | |
| | | | | | | | | | Mean | Yield | Y/M | | | | Moisture | | |
| EC3-105E | 3182 | AL | 42-05 | Cruiser 250 | 105 | none | | tall | 111 | 238 | 12.5 | 18.9 | 60.2 | 2 | 0 | | |
| EC3-105E | 3180 | AL | 40-03UP | Cruiser 250 | 103 | none | Ultra-Pure | short | 107 | 230 | 12.8 | 17.8 | 61.4 | 0 | 0 | | |
| EC3-105E | 3151 | MAS | DM4035 | none | 100 | none | | average | 104 | 223 | 12.2 | 18 | 58.2 | 1 | 0 | | |
| EC3-105E | 3181 | AL | 72-04 | Cruiser 250 | 104 | none | | average | 114 | 245 | 15.1 | 16.7 | 56.6 | 1 | 0 | | |
| EC3-105E | 3152 | MAS | MGM312220 | none | 100 | none | | average | 101 | 217 | 12.8 | 17 | 58.9 | 0 | 0 | | |
| EC3-105E | 3153 | MAS | MGM270104 | none | 100 | none | | average | 102 | 217 | 13.1 | 16.8 | 59.2 | 2 | 0 | | |
| SUMMARY STATISTICS² | | | | | | | | | | | | | | | | | |
| mean | | | | | | | | | | 214 | 11.5 | 19 | 59 | 0.1 | 0 | | |
| lsd05 | | | | | | | | | | 234 | 3.2 | 14.1 | 2.8 | | | | |
| lsd25 | | | | | | | | | | 46.1 | 1.9 | 2.7 | 1.3 | | | | |
| df | | | | | | | | | | 1 | 32.5 | 1 | 3.8 | | | | |
| cv | | | | | | | | | | 8.6 | 9.3 | 5.6 | 1.3 | | | | |
| r2_plot | | | | | | | | | | 61.7 | 80.4 | 81.5 | 78.3 | | | | |
| r2_blup | | | | | | | | | | 74.2 | 78.8 | 88.9 | 81.5 | | | | |
| locs | | | | | | | | | | | | | | | | | |
| varline | | | | | | | | | | 385 | 3.4 | 4.9 | 1.9 | | | | |
| vargxe | | | | | | | | | | 161 | 1.3 | 0.1 | 0.2 | | | | |
| resid | | | | | | | | | | 339 | 1.1 | 1.1 | 0.6 | | | | |
| plant | | | | | | | | | | 5/16/17 | | | | | | | |
| harvest | | | | | | | | | | 10/31/17 | | | | | | | |

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| USTN Public Data ¹ | | | | | | | | | OH_Apple_Creek | | | | | |
|---------------------------------------|-------|---------|-----------|-------------|------|--------|---------------|---------|----------------|----------|------|----------|-------------|-----------------|
| EC3-105E YEAR 2017 | | | | | | | | | Yield % of | | | | | |
| Test | USTN# | Breeder | Hybrid | Seed trt | CRMt | Traits | Native traits | Stature | Mean | Yield | Y/M | Moisture | Test Weight | Stalk Lodging % |
| EC3-105E | 3182 | AL | 42-05 | Cruiser 250 | 105 | none | | tall | 109 | 221 | 12.3 | 18.1 | 58.7 | 0 |
| EC3-105E | 3180 | AL | 40-03UP | Cruiser 250 | 103 | none | Ultra-Pure | short | 115 | 234 | 13.6 | 17.2 | 59.5 | 1 |
| EC3-105E | 3151 | MAS | DM4035 | none | 100 | none | | average | 111 | 225 | 13 | 17.4 | 56.1 | 1 |
| EC3-105E | 3181 | AL | 72-04 | Cruiser 250 | 104 | none | | average | 110 | 223 | 14.1 | 16 | 54.7 | 0 |
| EC3-105E | 3152 | MAS | MGM312220 | none | 100 | none | | average | 103 | 209 | 12.5 | 16.6 | 56.8 | 0 |
| EC3-105E | 3153 | MAS | MGM270104 | none | 100 | none | | average | 101 | 206 | 12.7 | 16.2 | 57.3 | 0 |
| SUMMARY STATISTICS² | | | | | | | | | | | | | | |
| mean | | | | | | | | | | 203 | 11.3 | 18.4 | 57 | 0 |
| lsd05 | | | | | | | | | | 139 | 3.1 | 14.1 | 2.7 | |
| lsd25 | | | | | | | | | | 36.2 | 1.8 | 2.7 | 1.3 | |
| df | | | | | | | | | | 1.3 | 31.2 | 1 | 3.9 | |
| cv | | | | | | | | | | 3.9 | 5.5 | 3.6 | 1.3 | |
| r2_plot | | | | | | | | | | 89.7 | 92.3 | 91.8 | 79.9 | |
| r2_blup | | | | | | | | | | 76.8 | 80.3 | 89 | 81.6 | |
| locs | | | | | | | | | | | | | | |
| varline | | | | | | | | | | 385 | 3.4 | 4.9 | 1.9 | |
| vargxe | | | | | | | | | | 161 | 1.3 | 0.1 | 0.2 | |
| resid | | | | | | | | | | 62.9 | 0.4 | 0.4 | 0.5 | |
| plant | | | | | | | | | | 5/23/17 | | | | |
| harvest | | | | | | | | | | 10/27/16 | | | | |

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| USTN Public Data ¹ | | | | | | | | | OH_Hoytville | | | | | |
|---------------------------------------|-------|---------|-----------|-------------|------|--------|---------------|---------|--------------|----------|------|----------|-------------|-----------------|
| EC3-105E YEAR 2017 | | | | | | | | | Yield % of | | | | | |
| Test | USTN# | Breeder | Hybrid | Seed trt | CRMt | Traits | Native traits | Stature | Mean | Yield | Y/M | Moisture | Test Weight | Stalk Lodging % |
| EC3-105E | 3182 | AL | 42-05 | Cruiser 250 | 105 | none | | tall | 113 | 194 | 10.6 | 18.6 | 56.3 | 1 |
| EC3-105E | 3180 | AL | 40-03UP | Cruiser 250 | 103 | none | Ultra-Pure | short | 106 | 182 | 10.2 | 17.7 | 57 | 1 |
| EC3-105E | 3151 | MAS | DM4035 | none | 100 | none | | average | 111 | 190 | 10.7 | 17.9 | 54.2 | 0 |
| EC3-105E | 3181 | AL | 72-04 | Cruiser 250 | 104 | none | | average | 111 | 191 | 11.4 | 16.7 | 52.4 | 3 |
| EC3-105E | 3152 | MAS | MGM312220 | none | 100 | none | | average | 97 | 167 | 9.8 | 16.9 | 54.7 | 0 |
| EC3-105E | 3153 | MAS | MGM270104 | none | 100 | none | | average | 103 | 176 | 10.3 | 16.8 | 54.6 | 0 |
| SUMMARY STATISTICS² | | | | | | | | | | | | | | |
| mean | | | | | | | | | | 172 | 9.3 | 18.9 | 54.9 | 0.02 |
| lsd05 | | | | | | | | | | 184 | 3.2 | 14.1 | 2.9 | |
| lsd25 | | | | | | | | | | 41.4 | 1.8 | 2.7 | 1.4 | |
| df | | | | | | | | | | 1.1 | 30.7 | 1 | 3.4 | |
| cv | | | | | | | | | | 8.2 | 10 | 4.5 | 2 | |
| r2_plot | | | | | | | | | | 73.4 | 84.5 | 87.3 | 64.1 | |
| r2_blup | | | | | | | | | | 75.2 | 79.2 | 89 | 81 | |
| locs | | | | | | | | | | | | | | |
| varline | | | | | | | | | | 385 | 3.4 | 4.9 | 1.9 | |
| vargxe | | | | | | | | | | 161 | 1.3 | 0.1 | 0.2 | |
| resid | | | | | | | | | | 198 | 0.9 | 0.7 | 1.2 | |
| plant | | | | | | | | | | 6/1/17 | | | | |
| harvest | | | | | | | | | | 11/14/17 | | | | |

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| USTN Public Data ¹ | | | | | | | | | PA_Rock_Springs | | | | | |
|---------------------------------------|-------|---------|-----------|-------------|------|--------|---------------|---------|-----------------|----------|------|----------|-----------------|----------------|
| EC3-105E YEAR 2017 | | | | | | | | | Yield % of | | | | | |
| Test | USTN# | Breeder | Hybrid | Seed trt | CRMt | Traits | Native traits | Stature | Mean | Yield | Y/M | Moisture | Stalk Lodging % | Root Lodging % |
| EC3-105E | 3182 | AL | 42-05 | Cruiser 250 | 105 | none | | tall | 119 | 184 | 8.7 | 22.6 | 0 | 2 |
| EC3-105E | 3180 | AL | 40-03UP | Cruiser 250 | 103 | none | Ultra-Pure | short | 118 | 182 | 10 | 21.5 | 0 | 1 |
| EC3-105E | 3151 | MAS | DM4035 | none | 100 | none | | average | 117 | 181 | 9 | 21.8 | 0 | 26 |
| EC3-105E | 3181 | AL | 72-04 | Cruiser 250 | 104 | none | | average | 97 | 150 | 5.4 | 20.7 | 4 | 54 |
| EC3-105E | 3152 | MAS | MGM312220 | none | 100 | none | | average | 108 | 166 | 9.5 | 20.8 | 1 | 2 |
| EC3-105E | 3153 | MAS | MGM270104 | none | 100 | none | | average | 100 | 155 | 7.6 | 20.6 | 0 | 24 |
| SUMMARY STATISTICS² | | | | | | | | | | | | | | |
| mean | | | | | | | | | | 154 | 7.1 | 22.8 | 0 | 2.9 |
| lsd05 | | | | | | | | | | 137 | 3.1 | 14.2 | | |
| lsd25 | | | | | | | | | | 38.9 | 1.8 | 2.7 | | |
| df | | | | | | | | | | 1.4 | 39.3 | 1 | | |
| cv | | | | | | | | | | 17.4 | 11 | 8.6 | | |
| r2_plot | | | | | | | | | | 43 | 88.6 | 56.2 | | |
| r2_blup | | | | | | | | | | 72.2 | 79.7 | 88.8 | | |
| locs | | | | | | | | | | | | | | |
| varline | | | | | | | | | | 385 | 3.4 | 4.9 | | |
| vargxe | | | | | | | | | | 161 | 1.3 | 0.1 | | |
| resid | | | | | | | | | | 723 | 0.6 | 3.9 | | |
| plant | | | | | | | | | | 6/5/17 | | | | |
| harvest | | | | | | | | | | 11/17/17 | | | | |

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