

2016 Breeding Cross Observations - Ames-GEM, AgReliant-Ft. Brance, IN and G&S Crop

| Entry | Pedigree | Pollen GDU Ames | Silk GDU Ames | Plant Health / Intactness Rating AgReliant | RL Rat Avg AgReliant | Ear Height Rating AgReliant | Ear Position at Harvest Ames | Husk Ext Ames | Husk Length G&S | Husk Tightness Ames | Husk Tightness G&S | Grain Color G&S | Grain Texture G&S | Kernel Cap Rating AgReliant | Overall Rating Ames | Overall Rating AgReliant | Harvest Notes - Ames | Harvest notes AgReliant |
|-------|---|-----------------|---------------|--|----------------------|-----------------------------|------------------------------|---------------|-----------------|---------------------|--------------------|-----------------|-------------------|-----------------------------|---------------------|--------------------------|-----------------------------------|-------------------------|
| 1 | B73/Mo17 | 1350 | 1428 | 4 | 5.5 | 6 | 9 | 3.5 | 5.0 | 4 | 3.0 | 5.0 | 5.0 | 2 | | 6 | | |
| 2 | Pioneer 33F85 | 1352 | 1365 | 3 | 7 | 6 | 5.5 | 5 | 6.0 | 4 | 4.0 | 5.0 | 5.0 | 6 | | 7 | | |
| 3 | Pioneer 34R65 | 1277 | 1289 | 4 | 4.5 | 8 | 7 | 3 | 5.0 | 3.5 | 4.0 | 4.0 | 5.0 | 7 | | 8 | | low ear placement |
| 4 | Pioneer 31D58 | 1384 | 1384 | 5 | 5.5 | 6 | 1.5 | 4.5 | 6.0 | 4.5 | 5.0 | 5.0 | 5.5 | 5 | | 7 | | |
| 5 | MBS3520/MBS8814 | 1301 | 1312 | 6 | 9 | 5 | 7 | 3.5 | 4.0 | 4.5 | 4.5 | 4.5 | 4.0 | 1 | | 6 | | some stalk lodging |
| 6 | MBS9508/MBS2655 | 1350 | 1339 | 4 | 8 | 5 | 7.5 | 3.5 | 5.0 | 4 | 5.0 | 5.0 | 5.5 | 5 | | 6 | | |
| 7 | MBS3644/MBS5411 | 1301 | 1312 | 3 | 5.5 | 3 | 8.5 | 3 | 3.5 | 3.5 | 5.0 | 4.0 | 5.0 | 3 | | 1 | | |
| 8 | (GEMN-0097/MSU_1)/GEMN-0155 | 1404 | 1420 | 5 | 4.5 | 5 | 2.5 | 4.5 | 5.5 | 5.5 | 6.0 | 5.0 | 5.0 | 2-6 | 5 | 6 | High ear placement | |
| 9 | (GEMN-0097/MSU_1)/LH185 | 1378 | 1403 | 3 | 6 | 6 | 8.5 | 4.5 | 6.5 | 5 | 5.0 | 5.0 | 6.0 | 5 | 4.5 | 6 | High ear placement | |
| 10 | (GEMN-0097/MSU_1)/PHGG7 | 1169 | 1242 | 2 | 4 | 5 | 9 | 5 | 6.0 | 3 | 5.0 | 1--5 | 4.5 | 3-6 | 3.5 | 4 | | |
| 11 | (GEMN-0097/MSU_1)/PHV53 | 1404 | 1463 | 5 | 5.5 | 5 | 7.5 | 4.5 | 6.5 | 5 | 5.5 | 1--5 | 5.0 | 4-6 | 3 | 7 | High ear placement | |
| 12 | (MSU_1/PHN46)/LH185 | 1352 | 1416 | 5 | 8 | 5 | 8 | 4.5 | 7.0 | 4 | 5.5 | 5.0 | 5.5 | 4-5 | 3.5 | 6 | | |
| 13 | (MSU_1/PHN46)/PHN46 | 1446 | 1454 | 4 | 6 | 5 | 5.5 | 4 | 6.0 | 5 | 6.0 | 4.5 | 5.5 | 3-4 | 3 | 5 | High ear placement | |
| 14 | (PHN46/MSU_2)/LH185 | 1377 | 1391 | 5 | 9 | 5 | 7.5 | 3.5 | 5.5 | 4 | 6.0 | 5.0 | 5.0 | 4-6 | 6 | 6 | | |
| 15 | (PHN46/MSU_2)/PHN46 | 1424 | 1454 | 3 | 8 | 4 | 6 | 4 | 5.5 | 5 | 4.5 | 4.5 | 5.0 | 2-6 | 3.5 | 2 | | |
| 16 | (GEMN-0155/MSU_2)/GEMN-0192 | 1323 | 1391 | 5 | 7 | 4 | 4 | 6 | 6.0 | 5.5 | 6.0 | 1--5 | 5.5 | 3-6 | 6 | 4 | High ear placement | variable ear height |
| 17 | (GEMN-0155/MSU_2)/LH185 | 1365 | 1391 | 5 | 9 | 4 | 8 | 4 | 6.5 | 5 | 6.0 | 1--5 | 5.5 | 3-7 | 6.5 | 4 | | |
| 18 | (GEMN-0155/MSU_2)/PHGG7 | 1190 | 1242 | 3 | 6.5 | 6 | 8.5 | 4 | 6.5 | 3.5 | 6.0 | 4.0 | 4.0 | 2-7 | 4.5 | 6 | | |
| 19 | (GEMN-0155/MSU_2)/PHR55 | 1377 | 1403 | 5 | 6.5 | 4 | 5 | 3 | 4.0 | 6.5 | 7.0 | 1--5 | 5.5 | 3-6 | 5 | 4 | Many barren | |
| 20 | (GEMN-0155/MSU_2)/PHV53 | 1391 | 1458 | 6 | 8.5 | 4 | 5 | 3 | 5.0 | 4.5 | 6.0 | 1--5 | 6.0 | 5-7 | 3.5 | 6 | Early death | |
| 21 | (PHN46/(GEMN-0130/MP494))/41 | 1411 | 1408 | 4 | 7.5 | 5 | 4 | 3.5 | 5.5 | 5.5 | 6.0 | 5.0 | 5.0 | 3-6 | 6 | 5 | High ear placement | |
| 22 | (PHN46/(GEMN-0130/MP494))/LH185 | 1428 | 1444 | 6 | 8.5 | 4 | 7 | 4 | 6.0 | 4.5 | 5.5 | 5.0 | 5.0 | 3-6 | 3 | 5 | High ear placement | |
| 23 | (PHN46/(GEMN-0130/MP494))/PHN46 | 1475 | 1522 | 4 | 7.5 | 3 | 7 | 3.5 | 6.0 | 5 | 5.5 | 4.5 | 5.0 | 3-6 | 6 | 2 | | |
| 24 | BG002:T26aN(GEMN-0155)(GEMN-0192) | 1416 | 1428 | 3 | 5 | 3 | 4 | 4.5 | 4.0 | 5.5 | 5.5 | 1--5 | 6.0 | 3-6 | 3.5 | 1 | High ear placement, Long shank | |
| 25 | BG002:T26aN(GEMN-0155)(LH185) | 1378 | 1391 | 5 | 7 | 4 | 8 | 3.5 | 6.0 | 4 | 6.0 | 5.0 | 5.5 | 5-7 | 4.5 | 5 | Slender ear | |
| 26 | BG002:T26aN(GEMN-0155)(PHGG7) | 1190 | 1242 | 2 | 4 | 5 | 8.5 | 3 | 5.0 | 3.5 | 5.0 | 1--5 | 6.0 | 6-8 | 5 | 6 | | |
| 27 | (CML343/GEMS-0032)/40x | 1280 | 1301 | 8 | 6 | 4 | 2.5 | 3 | 5.0 | 7 | 7.5 | 5.0 | 5.0 | 3-6 | 5 | 6 | Slender ear | |
| 28 | (CML343/N3-2-3-3)/40x | 1411 | 1436 | 8 | 5.5 | 5 | 3.5 | 4 | 5.0 | 6 | 7.0 | 4.5 | 5.0 | 4-6 | 3 | 8 | Tall, High ear placement | nice |
| 29 | (CML494 x GEMN-0097)/GEMN-0192 | 1436 | 1454 | 7 | 6 | 4 | 3 | 5 | 5.5 | 6 | 6.0 | 1--5 | 5.0 | 2-6 | 2.5 | 5 | Very high ear placement | |
| 30 | (CML494 x GEMN-0097)/LH185 | 1404 | 1424 | 6 | 7 | 4 | 7 | 3 | 5.0 | 5.5 | 6.5 | 1--5 | 6.0 | 3-7 | 4 | 5 | High ear placement | |
| 31 | (CML494 x GEMN-0097)/PHGG7 | 1203 | 1266 | 3 | 3.5 | 4 | 7 | 4 | 4.5 | 3.5 | 5.0 | 1--4 | 5.0 | 2-6 | 6 | 2 | | |
| 32 | (CML494 x GEMN-0097)/PHV53 | 1475 | 1576 | 7 | 5 | 3 | 2 | 3.5 | 4.0 | 4.5 | 6.0 | 5.0 | 6.5 | 4-6 | 2.5 | 4 | High ear placement | variable ear height |
| 33 | (CML494/GEMS-0032)/40x | 1499 | 1522 | 7 | 8 | 3 | 1.5 | 3.5 | 3.5 | 6.5 | 7.0 | 5.0 | 5.0 | 2-6 | 5 | 3 | High ear placement | variable ear height |
| 34 | (GEMN-0097/CML449)/40x | 1378 | 1391 | 8 | 7 | 3 | 2 | 6 | 7.0 | 5.5 | 7.0 | 5.0 | 5.0 | 2-7 | 3.5 | 4 | High ear placement | |
| 35 | (GEMN-0097/89291)/40x | 1352 | 1404 | 7 | 8 | 4 | 7 | 5 | 5.5 | 5 | 4.5 | 4.0 | 5.0 | 2-4 | 6 | 5 | Very high ear placement, late RM | soft kernel texture |
| 36 | (CA00370/GEMN-0097)/40x | 1444 | 1444 | 7 | 6 | 3 | 3 | 5 | 5.0 | 6 | 7.0 | 5.0 | 5.0 | 2-5 | 2 | 3 | High ear placement | |
| 37 | ((NKS8326/CML373)/GEMN-0097)-SIB)/41 | 1234 | 1280 | 1 | 7 | 5 | 1.5 | 5 | 4.5 | 6.5 | 5.5 | 5.0 | 6.0 | 4-6 | 3 | 4 | High ear placement | |
| 38 | ((NKS8326/CML373)/GEMN-0097)-SIB)/GEMN-0155 | 1408 | 1420 | 8 | 7 | 4 | 5 | 5.5 | 4.0 | 7 | 7.0 | 4.5 | 6.0 | 3-8 | 6 | 7 | Late RM, Moderate ear height | |
| 39 | ((NKS8326/CML373)/GEMN-0097)-SIB)/LH185 | 1428 | 1454 | 6 | 6.5 | 4 | 5 | 3.5 | 6.0 | 4.5 | 5.0 | 1--5 | 6.0 | 3-6 | 5 | 4 | | |
| 40 | ((NKS8326/CML373)/GEMN-0097)-SIB)/PHGG7 | 1190 | 1242 | 1 | 5.5 | 5 | 8.5 | 4.5 | 5.0 | 3.5 | 5.0 | 1--5 | 5.0 | 4-8 | 3.5 | 5 | | |
| 41 | ((NKS8326/CML373)/GEMN-0097)-SIB)/PHR55 | 1365 | 1411 | 3 | 5 | 5 | 7 | 3.5 | 4.0 | 5 | 6.5 | 5.0 | 6.0 | 3-6 | 5.5 | 5 | | |

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|-------|---|-----------------|---------------|--|-------------------|-----------------------------|------------------------------|---------------|-----------------|---------------------|--------------------|-----------------|-------------------|-----------------------------|---------------------|--------------------------|---------------------------------|-------------------------|
| 42 | ((((NKS8326/CML373)/GEMN-0097)-SIB)/PHV53 | 1454 | 1487 | 6 | 7 | 3 | 2.5 | 3 | 5.0 | 6 | 6.0 | 5.0 | 6.0 | 3-8 | 5 | 4 | High ear placement, early death | |
| 43 | (GEMN-0097/Ki 14)/GEMN-0155 | 1416 | 1424 | 7 | 9 | 4 | 3 | 4.5 | 6.0 | 6 | 6.0 | 5.5 | 5.5 | 4-9 | 4.5 | 7 | | variable ear height |
| 44 | (GEMN-0097/Ki 14)/LH185 | 1391 | 1411 | 5 | 7 | 4 | 4 | 8 | 6.5 | 3 | 4.5 | 5.5 | 5.0 | 5-6 | 3.5 | 5 | High ear placement | |
| 45 | (GEMN-0097/Ki 14)/PHGG7 | 1190 | 1254 | 3 | 5 | 7 | 8 | 3 | 5.0 | 2 | 5.0 | 4.0 | 5.0 | 5-8 | 6.5 | 8 | | |
| 46 | (GEMN-0097/Ki 14)/PHV53 | 1403 | 1454 | 7 | 5 | 3 | 4.5 | 3.5 | 5.0 | 5 | 6.0 | 5.0 | 6.5 | 6-9 | 3.5 | 5 | High ear placement | variable ear height |
| 47 | (GEMN-0097/TF-2-0-T3-P74-G121)/GEMN-0192 | 1315 | 1365 | 2 | 4 | 7 | 8.5 | 6 | 5.5 | 4.5 | 5.5 | 4.5 | 5.0 | 2-5 | 2.5 | 5 | | soft kernel texture |
| 48 | (GEMN-0097/TF-2-0-T3-P74-G121)/LH185 | 1312 | 1339 | 5 | 6.5 | 6 | 9 | 4 | 5.5 | 4 | 5.0 | 5.0 | 5.0 | 2-6 | 5 | 7 | Very high ear placement | |
| 49 | (GEMN-0097/TF-2-0-T3-P74-G121)/PHR55 | 1338 | 1350 | 3 | 6 | 5 | 8 | 3 | 5.5 | 4.5 | 6.0 | 5.0 | 5.0 | 2-5 | 4.5 | 4 | Early death | |
| 50 | (GEMN-0205/TF-0-0-T2-P72-G122)/GEMN-0192 | 1416 | 1436 | 3 | 6 | 5 | 8 | 5.5 | 6.0 | 3.5 | 5.0 | 5.5 | 5.5 | 3-5 | 5.5 | 4 | | |
| 51 | (GEMN-0205/TF-0-0-T2-P72-G122)/LH185 | 1391 | 1416 | 2 | 6.5 | 5 | 9 | 4 | 5.0 | 3 | 4.5 | 5.0 | 5.0 | 4-6 | 5 | 4 | High ear placement | stalk lodging |
| 52 | (GEMN-0205/TF-0-0-T2-P72-G122)/PHGG7 | 1169 | 1242 | 1 | 4.5 | 4 | 8.5 | 4 | 5.5 | 3 | 4.5 | 4.5 | 5.0 | 2-6 | 4 | 1 | High ear placement | stalk lodging |
| 53 | (GEMN-0205/TF-0-0-T2-P72-G122)/PHP55 | 1378 | 1404 | 5 | 8 | 4 | 6.5 | 6 | 5.5 | 5 | 6.0 | 5.0 | 6.5 | 4-8 | 4.5 | 5 | | |
| 54 | (GEMN-0205/TF-0-0-T2-P72-G122)/PHR55 | 1364 | 1391 | 4 | 9 | 5 | 8 | 4 | 4.0 | 3.5 | 6.5 | 5.5 | 5.0 | 3 | 3 | 4 | | |
| 55 | (GEMN-0097/PHN46)/GEMN-0192 | 1254 | 1303 | 3 | 7.5 | 6 | 9 | 4.5 | 6.0 | 4 | 5.0 | 5.0 | 5.0 | 5-6 | 5 | 6 | | |
| 56 | (GEMN-0097/PHN46)/LH185 | 1312 | 1276 | 3 | 8.5 | 5 | 8.5 | 4.5 | 5.5 | 3.5 | 5.5 | 5.0 | 5.0 | 3-6 | 4 | 5 | Watch ear height | |
| 57 | (GEMN-0097/PHN46)/PHGG7 | 1123 | 1123 | 1 | 7.5 | 6 | 9 | 4 | 5.0 | 3.5 | 5.0 | 4.0 | 5.0 | 5-6 | 3 | 6 | | poor |
| 58 | (GEMN-0097/PHN46)/PHR03 | 1312 | 1365 | 4 | 7 | 5 | 8.5 | 4 | 6.0 | 3 | 5.0 | 5.5 | 6.0 | 5-7 | 4.5 | 6 | | |
| 59 | (GEMN-0043 x GEMN-0108)/GEMN-0155 | 1454 | 1454 | 8 | 9 | 4 | 2 | 3.5 | 4.5 | 6 | 6.0 | 5.0 | 5.5 | 5-7 | 4 | 7 | | |
| 60 | (GEMN-0043 x GEMN-0108)/LH185 | 1454 | 1454 | 5 | 9 | 4 | 7 | 3.5 | 7.0 | 4 | 5.5 | 5.5 | 5.5 | 6 | 4.5 | 5 | High ear placement | |
| 61 | (GEMN-0043 x GEMN-0108)/PHR55 | 1444 | 1444 | 6 | 9 | 5 | 4 | 3.5 | 4.0 | 5.5 | 6.5 | 5.0 | 5.5 | 2-6 | 5 | 6 | Watch ear height | |
| 62 | (GEMN-0043 x GEMN-0108)/PHV53 | 1478 | 1502 | 5 | 9 | 3 | 2.5 | 3.5 | 4.0 | 5 | 5.0 | 6.0 | 6.0 | 4-6 | 3.5 | 3 | Very high ear placement | |
| 63 | (GEMN-0103 x GEMN-0097)/GEMN-0192 | 1312 | 1403 | 3 | 5.5 | 5 | 8 | 5.5 | 5.0 | 5 | 5.5 | 5.0 | 4.5 | 3-7 | 6 | 5 | Many barren | |
| 64 | (GEMN-0103 x GEMN-0097)/LH185 | 1372 | 1372 | 4 | 8.5 | 4 | 8 | 5 | 6.5 | 4.5 | 5.5 | 5.5 | 6.0 | 3-6 | 4.5 | 3 | High ear placement | |
| 65 | (GEMN-0103 x GEMN-0097)/PHR55 | 1338 | 1365 | 5 | 6 | 5 | 5 | 3.5 | 5.0 | 6 | 6.0 | 5.5 | 6.0 | 4-5 | 6.5 | 6 | Long husk cover | |
| 66 | (GEMN-0104 x GEMN-0187)/GEMN-0192 | 1391 | 1411 | 3 | 4.5 | 3 | 6 | 4 | 5.5 | 5 | 5.0 | 5.0 | 6.0 | 4-5 | 5.5 | 1 | | |
| 67 | (GEMN-0104 x GEMN-0187)/LH185 | 1391 | 1404 | 3 | 7 | 4 | 7.5 | 4.5 | 6.5 | 4.5 | 5.0 | 6.0 | 5.5 | 4-7 | 4.5 | 3 | High ear placement | variable ear height |
| 68 | (GEMN-0104 x GEMN-0187)/PHGG7 | 1216 | 1242 | 4 | 5 | 4 | 7 | 3 | 5.0 | 4.5 | 5.5 | 5.0 | 6.0 | 3-8 | 4 | 4 | High ear placement | variable ear height |
| 69 | (GEMN-0104 x GEMN-0187)/PHR03 | 1428 | 1475 | 5 | 6 | 4 | 8 | 3 | 5.0 | 4 | 6.0 | 5.5 | 6.0 | 3-7 | 4 | 4 | High ear placement | |
| 70 | (GEMN-0104 x GEMN-0187)/PHR55 | 1411 | 1411 | 3 | 5.5 | 5 | 7.5 | 3 | 4.0 | 5 | 7.0 | 5.5 | 6.0 | 3-7 | 4 | 5 | High ear placement | |
| 71 | (GEMN-0104 x GEMN-0187)/PHV53 | 1436 | 1466 | 4 | 5 | 3 | 6.5 | 4 | 4.5 | 4 | 6.0 | 6.0 | 6.5 | 3-7 | 2 | 2 | Healthy, Very high ear | |
| 72 | (GEMN-0124 x GEMN-0043)/GEMN-0192 | 1390 | 1272 | 3 | 6 | 4 | 7.5 | 5 | 5.5 | 5 | 6.0 | 5.0 | 7.0 | 3-6 | 4 | 2 | High ear placement | |
| 73 | (GEMN-0124 x GEMN-0043)/LH185 | 1403 | 1404 | 4 | 9 | 4 | 7 | 4.5 | 6.0 | 5 | 6.5 | 5.5 | 6.0 | 3-7 | 4.5 | 3 | High ear placement | |
| 74 | (GEMN-0124 x GEMN-0043)/PHGG7 | 1203 | 1216 | 4 | 8.5 | 4 | 8 | 5.5 | 6.0 | 3.5 | 5.0 | 4.5 | 5.5 | 3-7 | 4 | 3 | | |
| 75 | (GEMN-0124 x GEMN-0043)/PHR55 | 1338 | 1365 | 5 | 9 | 4 | 6 | 4 | 4.5 | 5 | 6.5 | 5.0 | 5.5 | 2-5 | 4 | 3 | High ear placement | |
| 76 | (GEMN-0158/ATL100)/40x | 1436 | 1454 | 8 | 9 | 3 | 2 | 5 | 6.5 | 6.5 | 6.0 | 5.0 | 5.5 | 2-6 | 4 | 4 | Tall, High ear, Late | some stay green |
| 77 | (GEMN-0173/KO679Y)/41 | 1428 | 1444 | 6 | 9 | 4 | 2 | 3 | 5.5 | 6.5 | 6.0 | 6.0 | 5.5 | 5-7 | 3.5 | 6 | High ear, Late | |
| 78 | (GEMN-0173/KO679Y)/GEMN-0155 | 1434 | 1458 | 8 | 9 | 4 | 2.5 | 4 | 5.5 | 6 | 7.5 | 7.0 | 7.5 | 3-6 | 3 | 6 | High ear placement | |
| 79 | (GEMN-0173/KO679Y)/GEMN-0192 | 1411 | 1391 | 8 | 6.5 | 4 | 8 | 4 | 5.0 | 5.5 | 7.0 | 5.5 | 5.5 | 2-6 | 3.5 | 7 | High ear placement | |
| 80 | (GEMN-0173/KO679Y)/LH185 | 1416 | 1444 | 6 | 9 | 4 | 5.5 | 3.5 | 6.0 | 4.5 | 5.0 | 6.0 | 6.0 | 5-8 | 4.5 | 6 | | |
| 81 | (GEMN-0173/KO679Y)/PHGG7 | 1174 | 1229 | 2 | 7 | 4 | 7 | 3 | 6.5 | 3.5 | 6.0 | 5.5 | 6.0 | 4-6 | 4 | 2 | High ear | |
| 82 | (GEMN-0173/KO679Y)/PHP55 | 1365 | 1403 | 7 | 9 | 4 | 7 | 3.5 | 3.5 | 5 | 5.0 | 5.0 | 5.5 | 2-6 | 5 | 5 | High ear placement | variable ear height |
| 83 | (GEMN-0173/KO679Y)/PHR55 | 1416 | 1424 | 7 | 9 | 4 | 4 | 3 | 4.0 | 6 | 6.0 | 6.0 | 5.0 | 3-7 | 3.5 | 7 | | |
| 84 | (GEMN-0187/GEMN-0198)/41 | 1403 | 1411 | 3 | 8.5 | 5 | 2.5 | 4 | 5.0 | 5.5 | 5.5 | 5.5 | 5.5 | 3-5 | 4.5 | 4 | High ear placement | |
| 85 | (GEMN-0187/GEMN-0198)/GEMN-0192 | 1365 | 1404 | 2 | 6 | 3 | 8 | 6 | 6.0 | 5.5 | 6.0 | 6.0 | 6.0 | 2-6 | 4.5 | 1 | | |
| 86 | (GEMN-0187/GEMN-0198)/LH185 | 1436 | 1424 | 3 | 6 | 4 | 8 | 4 | 5.5 | 4.5 | 5.0 | 5.0 | 5.5 | 3-6 | 3.5 | 2 | High ear placement | |
| 87 | (GEMN-0187/GEMN-0198)/PHGG7 | 1203 | 1242 | 2 | 5 | 4 | 8.5 | 4.5 | 5.5 | 3.5 | 6.5 | 5.0 | 5.0 | 5-7 | 3 | 3 | High ear | |
| 88 | (GEMN-0187/GEMN-0198)/PHR55 | 1403 | 1436 | 3 | 6 | 4 | 6 | 4.5 | 5.0 | 5 | 6.0 | 5.5 | 5.5 | 5-6 | 4 | 3 | | |

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|-------|---|-----------------|---------------|--|----------------------|-----------------------------|------------------------------|---------------|-----------------|---------------------|--------------------|-----------------|-------------------|-----------------------------|---------------------|--------------------------|-----------------------------------|-------------------------|
| 89 | (GEMN-0210/GEMN-0205)/41 | 1378 | 1377 | 4 | 6 | 6 | 1 | 2.5 | 4.0 | 6 | 6.0 | 6.0 | 5.5 | 4 | 4.5 | 6 | | |
| 90 | (GEMS-0113 x CML103)/GEMS-0218 | 1377 | 1377 | 8 | 8.5 | 4 | 7 | 5.5 | 5.0 | 6.5 | 7.6 | 1--5 | 6.0 | 6-7 | 4.5 | 7 | High ear placement, White kernels | |
| 91 | (GEMS-0113 x CML103)/GEMS-0227 | 1377 | 1391 | 7 | 9 | 4 | 7 | 3 | 4.0 | 5.5 | 7.0 | 1--5 | 5.0 | 2-7 | 6 | 7 | Fat, white ear | |
| 92 | (GEMS-0113 x CML103)/PHG39 | 1390 | 1411 | 7 | 9 | 3 | 3 | 4 | 4.5 | 5 | 6.5 | 1--5 | 6.0 | 5-7 | 6.5 | 4 | Moderate ear height | |
| 93 | (GEMS-0113 x CML103)/PHW51 | 1352 | 1376 | 8 | 9 | 4 | 2 | 3.5 | 3.0 | 5 | 5.0 | 1--5 | 5--6 | 5-6 | 6.5 | 7 | | |
| 94 | (GEMS-0113/CML373)/40x | 1378 | 1391 | 8 | 9 | 4 | 2 | 3 | 5.0 | 6.5 | 6.5 | 1--5 | 6.0 | 4-6 | 6.5 | 6 | | |
| 95 | (LH195/CML494)/40x | 1466 | 1489 | 7 | 9 | 4 | 2.5 | 3.5 | 4.5 | 6 | 7.0 | 1--5 | 6.0 | 4-6 | 4 | 5 | White kernels, High ear | |
| 96 | (GEMS-0113/La Posta Seq C7 F71-1-1-1-2)/40x | 1420 | 1454 | 4 | 9 | 3 | 2.5 | 3.5 | 4.5 | 7 | 6.0 | 1--5 | 5.5 | 3-7 | 4.5 | 2 | White, Low ear | |
| 97 | (La Posta Seq C7 F71-1-1-1-2/GEMS-0091)/40x | 1391 | 1403 | 5 | 9 | 4 | 5 | 4.5 | 6.0 | 6 | 4.5 | 5.0 | 6.0 | 2-6 | 3.5 | 3 | High ear placement | |
| 98 | La Posta Seq C7 F64-1-1-1-2:S40a | 1436 | 1466 | 8 | 9 | 4 | 1 | 3 | 5.5 | 6.5 | 6.0 | 5.0 | 4.5 | 5-7 | 3 | 7 | High ear placement | uniform |
| 99 | La Posta Seq C7 F64-1-1-1-2:S40b | 1454 | 1466 | 9 | 9 | 4 | 1.5 | 4 | 4.0 | 7 | 7.0 | 4.0 | 6.0 | 4-6 | 3.5 | 7 | High ear placement | |
| 100 | La Posta Seq C7 F71-1-1-1-2:S40a | 1416 | 1454 | 7 | 8.5 | 4 | 3 | 2.5 | 6.5 | 6 | 5.0 | 5.0 | 5.5 | 4-7 | 3.5 | 6 | High ear placement | |
| 101 | La Posta Seq C7 F71-1-1-1-2:S40b | 1411 | 1444 | 4 | 8 | 5 | 5.5 | 2.5 | 6.0 | 7 | 4.5 | 5.0 | 6.0 | 2-5 | 4.5 | 4 | High ear placement | |
| 102 | SX2788:S(794)/GEMS-0188(GEMS-0227) | 1301 | 1326 | 4 | 7 | 7 | 8 | 4 | 6.0 | 4 | 4.5 | 5.0 | 6.0 | 6-7 | 5 | 8 | | |
| 103 | SX2788:S(794)/GEMS-0188(PHG39) | 1377 | 1416 | 7 | 9 | 5 | 8 | 3 | 5.0 | 4.5 | 5.0 | 5.5 | 6.0 | 4-7 | 3.5 | 6 | High ear placement | |
| 104 | SX2788:S(794)/GEMS-0188(PHW51) | 1278 | 1277 | 5 | 9 | 4 | 3 | 3 | 5.0 | 4.5 | 5.0 | 6.0 | 6.0 | 2-6 | 6.5 | 3 | | |
| 105 | SX2788:S(794)/GEMS-0188(PHW52) | 1312 | 1315 | 5 | 9 | 5 | 8 | 3.5 | 5.5 | 4.5 | 4.5 | 5.0 | 5.0 | 6-7 | 6 | 6 | | |
| 106 | (GEMS-0203/GEMS-0226)/GEMS-0227 | 1339 | 1341 | 6 | 9 | 5 | 8 | 4.5 | 5.0 | 4 | 6.0 | 5.0 | 6.0 | 4-7 | 5.5 | 6 | Low ear placement | |
| 107 | (GEMS-0203/GEMS-0226)/PHG39 | 1377 | 1391 | 7 | 9 | 5 | 5.5 | 4.5 | 5.0 | 3.5 | 4.5 | 4.5 | 5.5 | 7-8 | 5.5 | 9 | | |
| 108 | (GEMS-0203/GEMS-0226)/PHW51 | 1403 | 1436 | 5 | 8 | 4 | 5 | 4 | 5.5 | 4.5 | 4.5 | 5.5 | 6.5 | 5-7 | 7 | 7 | Low ear placement | |
| 109 | (GEMS-0203/GEMS-0226)/PHW52 | 1326 | 1350 | 6 | 7.5 | 5 | 8.5 | 4.5 | 5.0 | 4.5 | 5.5 | 5.0 | 6.5 | 3-8 | 4 | 7 | | |
| 110 | (GEMS-0227/Ki 14)/41 | 1372 | 1384 | 6 | 9 | 5 | 8.5 | 3.5 | 5.0 | 4.5 | 5.0 | 5.0 | 6.0 | 4-6 | 6.5 | 6 | High ear placement | |
| 111 | (GEMS-0227/Ki 14)/GEMS-0218 | 1390 | 1424 | 7 | 9 | 4 | 4 | 5 | 4.5 | 5.5 | 5.5 | 5.5 | 6.0 | 5-8 | 5.5 | 7 | High ear placement | |
| 112 | (GEMS-0227/Ki 14)/PHG39 | 1378 | 1436 | 7 | 9 | 3 | 7 | 4 | 5.0 | 3.5 | 6.0 | 6.0 | 6.0 | 6-8 | 6.5 | 5 | | |
| 113 | (GEMS-0227/Ki 14)/PHW51 | 1391 | 1454 | 8 | 9 | 4 | 2.5 | 3.5 | 4.5 | 5 | 4.5 | 5.5 | 6.0 | 4-8 | 6 | 7 | 16 kernel rows, Nice ear, Healthy | |
| 114 | (GEMS-0227/Ki 14)/PHW52 | 1338 | 1377 | 6 | 8.5 | 4 | 8 | 4 | 5.5 | 3.5 | 5.5 | 6.0 | 6.0 | 6-7 | 6 | 6 | Low ear placement | |
| 115 | GEMS-0226/LH132 | 1416 | 1436 | 6 | 9 | 6 | 7.5 | 5.5 | 4.0 | 4.5 | 5.0 | 6.0 | 6.5 | 5-7 | 5.5 | 8 | High ear placement | |
| 116 | GEMS-0226/LH198 | 1436 | 1446 | 5 | 9 | 4 | 6 | 5 | 6.5 | 5 | 5.5 | 5.5 | 6.0 | 4-6 | 4.5 | 4 | High ear placement | |
| 117 | GEMS-0226/PHHB9 | 1478 | 1487 | 6 | 9 | 4 | 7.5 | 3.5 | 7.0 | 4 | 5.0 | 5.0 | 6.0 | 6-7 | 6.5 | 7 | | |
| 118 | GEMS-0226/PHK29 | 1446 | 1454 | 8 | 9 | 4 | 3 | 6 | 6.0 | 4.5 | 4.5 | 6.0 | 6.0 | 4-7 | 6.5 | 6 | High ear placement | |
| 119 | GEMS-0226/PHP38 | 1454 | 1466 | 7 | 9 | 6 | 7.5 | 4.5 | 6.0 | 4 | 5.0 | 5.0 | 6.0 | 6-7 | 6 | 9 | 20 kernel rows | |
| 120 | (BR106:S(LH132)(PHG39)-B-053-B-B-SIB)/PHW51 | 1434 | 1420 | 7 | 9 | 5 | 5 | 4.5 | 6.0 | 4.5 | 5.0 | 5.0 | 6.0 | 5-7 | 5 | 8 | | |
| 121 | GEMS-0226/PHW52 | 1398 | 1390 | 8 | 9 | 5 | 4.5 | 4 | 5.5 | 5 | 4.5 | 5.0 | 6.0 | 6-8 | 6.5 | 9 | | |
| 122 | GEMS-0226/PHW86 | 1395 | 1430 | 7 | 9 | 5 | 5 | 4.5 | 5.5 | 5 | 4.5 | 5.0 | 6.0 | 4-6 | 4 | 8 | High ear, Some smokey kernels | |
| 123 | GEMS-0227/LH132 | 1323 | 1323 | 4 | 9 | 7 | 8.5 | 5.5 | 6.0 | 4 | 5.0 | 4.5 | 5.5 | 4-7 | 5 | 7 | Low ear placement | |
| 124 | GEMS-0227/LH198 | 1326 | 1339 | 4 | 7.5 | 6 | 8.5 | 3.5 | 5.0 | 5 | 5.5 | 4.5 | 5.0 | 5-6 | 7 | 7 | Low ear placement | |
| 125 | GEMS-0227/PHP38 | 1308 | 1313 | 5 | 8 | 7 | 7.5 | 3.5 | 5.0 | 3.3 | 5.0 | 5.0 | 6.0 | 4-8 | 5 | 8 | | |
| 126 | GEMS-0227/PHW52 | 1315 | 1337 | 5 | 8 | 5 | 5.5 | 5 | 5.0 | 5.5 | 5.5 | 5.0 | 5.5 | 5-7 | 6.0 | 7 | Low ear placement | |
| 127 | GEMS-0227/PHW86 | 1277 | 1337 | 5 | 7 | 6 | 5.5 | 3.5 | 4.0 | 5 | 5.5 | 4.5 | 5.0 | 4-6 | 5.5 | 7 | Low ear placement | |

GEM Ames legend:

Data is based on average of two reps. 1-9 Scale, 9 is best
Ear Position at Harvest ^: 1 - upright, 9 - drooping
Planting Date: April 26, 2016

AgReliant legend:

1-9 score, 9 is always best

G&S legend:

Husk Length: score from 1-9, 1 is very short and tip is very exposed, 5 is just covering the tip
Husk Tightness: score from 1-9, 1 is very loose and 9 is tight with many thick husk
Grain Color: score from 1-9, 1 is white 9 is orange/red
Grain Texture: score from 1-9, 1 is a shrunken dent, 9 is hard flint