

**Appendix A: Farmers' perception for test varieties w.r.t. some qualitative traits obtained from a sample of baby trials during 2013 and 2014.**

| <b>Triect</b> | <b>Trait</b>   | <b>Year</b> | <b>Test variety</b> | <b>No. of locations where from perceptions sought</b> | <b>Total no. of farmers participated</b> | <b>Test variety preferred</b> | <b>Equally preferred</b> | <b>Check preferred</b> | <b>Percentage preference for the improved variety</b> | <b>Prob.</b> |
|---------------|--|-------------|---------------------|---|--|-------------------------------|--------------------------|------------------------|---|--------------|
| <b>ntnag</b>  | Tillering ability and general phenotypic acceptability | 2013        | SKUA-408            | 5   | 41                                       | 27                            | 13                       | 1                      | 65.9  | <0.01        |
|               |  |             | SR-3                | 5   | 50                                       | 33                            | 14                       | 3                      | 66.0  | <0.01        |
|               |  | 2014        | SKUA-408            | 9   | 72                                       | 50                            | 16                       | 6                      | 69.4  | <0.01        |
|               |  |             | SR-3                | 6   | 48                                       | 32                            | 10                       | 6                      | 66.7  | <0.05        |
|               | Early maturity and biomass                             | 2013        | SKUA-408            | 5   | 41                                       | 20                            | 19                       | 2                      | 48.8  | 0.64         |
|               |  |             | SR-3                | 5   | 50                                       | 34                            | 12                       | 4                      | 68.0  | 0.57         |
|               |  | 2014        | SKUA-408            | 9   | 72                                       | 43                            | 22                       | 5                      | 59.7  | <0.05        |
|               |  |             | SR-3                | 6   | 48                                       | 28                            | 16                       | 4                      | 58.3  | <0.05        |
|               | General cooking quality                                | 2013        | SKUA-408            | 4   | 11                                       | 8                             | 3                        | 0                      | 72.7  | <0.05        |
|               |  |             | SR-3                | 4   | 13                                       | 10                            | 3                        | 0                      | 76.9  | <0.01        |
|               |  | 2014        | SKUA-408            | 5   | 8  | 5                             | 3                        | 0                      | 62.5  | <0.05        |
|               |  |             | SR-3                | 6   | 12                                       | 6                             | 5                        | 1                      | N.S.  | 0.26         |
|               | Intention for growing the variety for next year        | 2013        | SKUA-408            | 4   | 11                                       | 11                            | 0                        | 0                      | 100.0   |              |
|               |  |             | SR-3                | 4   | 13                                       | 13                            | 0                        | 0                      | 100.0   |              |
|               |  | 2014        | SKUA-408            | 5   | 8  | 8                             | 0                        | 0                      | 100.0   |              |
|               |  |             | SR-3                | 6   | 12                                       | 12                            | 0                        | 0                      | 100.0   |              |
| <b>gam</b>    | Tillering ability and general phenotypic acceptability | 2013        | SKUA-408            | 7   | 69                                       | 52                            | 11                       | 6                      | 75.4  | <0.01        |
|               |  |             | SR-3                | 6   | 36                                       | 27                            | 8                        | 1                      | 75.0  | <0.01        |
|               |  | 2014        | SKUA-408            | 8   | 58                                       | 39                            | 12                       | 7                      | 67.2  | <0.01        |
|               |  |             | SR-3                | 4   | 28                                       | 20                            | 6                        | 2                      | 71.4  | <0.01        |
|               | Early maturity and biomass                             | 2013        | SKUA-408            | 7   | 69                                       | 39                            | 22                       | 8                      | 56.5  | <0.05        |
|               |  |             | SR-3                | 6   | 36                                       | 19                            | 17                       | 0                      | N.S.  | 0.73         |
|               |  | 2014        | SKUA-408            | 8   | 58                                       | 39                            | 12                       | 7                      | 67.2  | <0.01        |
|               |  |             | SR-3                | 4   | 28                                       | 20                            | 6                        | 2                      | 71.4  | <0.01        |
|               | General cooking quality                                | 2013        | SKUA-408            | 4   | 14                                       | 10                            | 4                        | 0                      | 71.4  | <0.05        |
|               |  |             | SR-3                | 4   | 16                                       | 12                            | 4                        | 0                      | 75.0  | <0.05        |
|               |  | 2014        | SKUA-408            | 5   | 20                                       | 10                            | 8                        | 2                      | N.S.  | 0.84         |
|               |  |             | SR-3                | 7   | 18                                       | 12                            | 4                        | 2                      | 66.7  | <0.01        |
|               | Intention for growing the variety for next year        | 2013        | SKUA-408            | 4   | 14                                       | 14                            | 0                        | 0                      | 100.0   | -            |
|               |  |             | SR-3                | 4   | 16                                       | 16                            | 0                        | 0                      | 100.0   |              |
|               |  | 2014        | SKUA-408            | 5   | 20                                       | 20                            | 0                        | 0                      | 100.0   |              |
|               |  |             | SR-3                | 7   | 18                                       | 18                            | 0                        | 0                      | 100.0   |              |
| <b>vama</b>   | Tillering  | 2013        | SKUA-408            | 6   | 44                                       | 30                            | 12                       | 2                      | 68.2  | <0.01        |

|   |   |  |          |          |    |    |    |    |       |       |       |
|---|---|--|----------|----------|----|----|----|----|-------|-------|-------|
|   | ability and general phenotypic acceptability    |  | SR-3     | 6        | 58 | 42 | 14 | 2  | 72.4  | <0.01 |       |
|   |   | 2014   | SKUA-408 | 6        | 49 | 32 | 10 | 7  | 65.3  | <0.01 |       |
|   |   |  | SR-3     | 5        | 40 | 27 | 9  | 4  | 67.5  | <0.01 |       |
|   | Early maturity and biomass                      | 2013   | SKUA-408 | 6        | 44 | 25 | 17 | 2  | 56.8  | <0.05 |       |
|   |   |  | SR-3     | 6        | 58 | 29 | 20 | 9  | 50.0  | <0.01 |       |
|   |   | 2014   | SKUA-408 | 6        | 49 | 22 | 22 | 5  | N.S.  | 0.25  |       |
|   |   |  | SR-3     | 5        | 40 | 18 | 20 | 2  | N.S.  | 0.35  |       |
|   | General cooking quality                         | 2013   | SKUA-408 | 5        | 16 | 12 | 4  | 0  | 75.0  | <0.01 |       |
|   |   |  | SR-3     | 6        | 18 | 13 | 6  | 0  | 72.2  | <0.01 |       |
|   |   | 2014   | SKUA-408 | 4        | 12 | 5  | 6  | 1  | N.S.  | 0.24  |       |
|   |   |  | SR-3     | 6        | 14 | 8  | 6  | 0  | N.S.  | 0.72  |       |
|   | Intention for growing the variety for next year | 2013   | SKUA-408 | 5        | 16 | 16 | 0  | 0  | 100.0 | -     |       |
|   |   |  | SR-3     | 6        | 18 | 18 | 0  | 0  | 100.0 |       |       |
|   |   | 2014   | SKUA-408 | 4        | 12 | 12 | 0  | 0  | 100.0 |       |       |
|   |   |  | SR-3     | 6        | 14 | 14 | 0  | 0  | 100.0 |       |       |
|   | dipora  | Tillering ability and general phenotypic acceptability | 2013     | SKUA-408 | 4  | 29 | 18 | 9  | 2     | 62.1  | <0.05 |
|   |   |  |          | SR-3     | 3  | 20 | 14 | 5  | 1     | 70.0  | <0.05 |
|   |   |  | 2014     | SKUA-408 | 6  | 48 | 35 | 10 | 3     | 72.9  | <0.01 |
|   |   |  |          | SR-3     | 4  | 29 | 18 | 8  | 3     | 62.1  | <0.05 |
|   |   | Early maturity and biomass                             | 2013     | SKUA-408 | 4  | 29 | 15 | 8  | 6     | N.S.  | 0.65  |
| SR-3  |   |  |          | 3        | 20 | 10 | 10 | 0  | N.S.  | 0.52  |       |
| 2014  |   |  | SKUA-408 | 6        | 48 | 23 | 18 | 7  | N.S.  | 0.62  |       |
|   |   |  | SR-3     | 4        | 29 | 13 | 10 | 6  | N.S.  | 0.29  |       |
| General cooking quality                         |   | 2013   | SKUA-408 | 5        | 12 | 8  | 4  | 0  | 66.7  | <0.05 |       |
|   |   |  | SR-3     | 4        | 16 | 10 | 6  | 0  | 62.5  | <0.05 |       |
|   |   | 2014   | SKUA-408 | 3        | 10 | 10 | 0  | 0  | 100.0 |       |       |
|   |   |  | SR-3     | 2        | 12 | 8  | 4  | 0  | 66.7  | <0.01 |       |
| Intention for growing the variety for next year |   | 2013   | SKUA-408 | 5        | 12 | 12 | 0  | 0  | 100.0 |       |       |
|   |   |  | SR-3     | 4        | 16 | 16 | 0  | 0  | 100.0 |       |       |
|   |   | 2014   | SKUA-408 | 3        | 10 | 10 | 0  | 0  | 100.0 |       |       |
|   |   |  | SR-3     | 2        | 12 | 12 | 0  | 0  | 100.0 |       |       |