**Table 3.** Linear combination fitting predictions of Zn speciation composition in embryos, endosperms and whole kernelsof ‘Hybrix 5’ sweetcorn and ‘Thai Floury 2’ maize (*Zea mays*) at 21, 28 and 56 d after pollination (DAP). There are no R-factor values for whole kernel samples, as the speciation estimates are calculated values from individual tissue analysis instead of LCF predictions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variety** |  |  | **‘Hybrix 5’ sweetcorn** | | | | | | | |  |  | **‘Thai Floury 2’ maize** | | | | | | | |
| **Tissue** |  |  | *Embryo* | |  | *Endosperm* | |  | *Whole kernel* | |  |  | *Embryo* | |  | *Endosperm* | |  | *Whole kernel* | |
| **DAP** |  |  | *21* | *28* |  | *21* | *28* |  | *21* | *28* |  |  | *21* | *28* |  | *21* | *28* |  | *21* | *28* |
| **Speciation (%)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Zn-phytate |  |  | 88 | 88 |  | 13 | 18 |  | 30 | 41 |  |  | 88 | 92 |  | - | 83 |  | 27 | 87 |
| Zn-cysteine |  |  | 12 | 12 |  | - | - |  | 3 | 4 |  |  | 12 | 8 |  | 8 | 15 |  | 9 | 12 |
| Zn-histidine |  |  | - | - |  | 87 | 82 |  | 67 | 55 |  |  | - | - |  | 92 | 2 |  | 63 | 1 |
| **R-factor** |  |  | **0.00056** | **0.00064** |  | **0.0014** | **0.00099** |  | - | - |  |  | **0.00062** | **0.00065** |  | **0.00086** | **0.0061** |  | - | - |