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LIST OF ABBREVIATIONS

| | | |
|-------|---|--|
| A | = | Asynchrony |
| AEC | = | Average environmental coordination |
| AMMI | = | Additive main effects and multiplicative interaction |
| ANOVA | = | Analysis of variance |
| AOAC | = | Association of Official Analytical Chemists |
| AUDPC | = | Area under the disease-progress curve |
| BC | = | Backcross |
| BNF | = | Biological nitrogen fixation |
| BP | = | Between paper |
| CLS | = | Cercospora leaf spot |
| CN | = | Chai Nat |
| CND | = | Chai Nat during dry season |
| CRD | = | Completely randomize design |
| CV | = | Coefficient of variation |
| DAP | = | Days after planting |
| DB | = | Dry basis |
| DMRT | = | Duncan's new multiple range test |
| DOA | = | Department of Agriculture |
| E | = | Environment |
| FW | = | Fresh weight |
| G | = | Genotype |
| GEI | = | Genotype environment interaction |
| GGE | = | Genotype plus genotype environment interaction |
| KPS | = | Kamphaeng Saen |
| MAS | = | Marker assisted selection |
| MET | = | Multi environment trial |
| NR | = | Nakhon Ratchasima |
| PB | = | Phetchabun |
| PC | = | Principal component |
| PFD | = | Photon flux density |
| PN | = | Phitsanulok |
| PNR | = | Phitsanulok during rainy season |

LIST OF ABBREVIATIONS (Continued)

| | | |
|------|---|---|
| PM | = | Powdery mildew |
| PPFD | = | Photosynthetic photon flux density |
| PS | = | Partial synchrony |
| RCBD | = | Randomized complete block design |
| S | = | Synchrony |
| SI | = | Severity index |
| SPSS | = | Statistical package for the social sciences |
| SUT | = | Suranaree University of Technology |
| SVD | = | Singular value decomposition |
| °C | = | Degree Celsius |