

# Agroecology

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| Agroecology ID                              | 439  |
| Crop ID                                     | Giant Setaria 'var. splendida'                                     |
| Zone A                                      | true   |
| Zone B                                      | false  |
| Zone C                                      | true   |
| Zone D                                      | false  |
| Zone E                                      | false  |
| Climate Zone                                | tropical wet & dry (Aw); tropical wet (Ar); subtropical humid (Cf) |
| Altitude Optimal Max (m)                    | NULL   |
| Altitude Optimal Mean (m)                   | NULL   |
| Altitude Optimal Min (m)                    | NULL   |
| Altitude Absolute Max (m)                   | 2,000.00   |
| Altitude Absolute Mean (m)                  | 1,000.00   |
| Altitude Absolute Min (m)                   | NULL   |
| Latitude Optimal Max (Degree North/South)   | 0.00   |
| Latitude Optimal Mean (Degree North/South)  | 0.00   |
| Latitude Optimal Min (Degree North/South)   | NULL   |
| Latitude Absolute Max (Degree North/South)  | 35.00  |
| Latitude Absolute Mean (Degree North/South) | 32.50  |
| Latitude Absolute Min (Degree North/South)  | 30.00  |
| Light Intensity Optimal Max                 | very bright  |
| Light Intensity Optimal Mean                | NULL   |
| Light Intensity Optimal Min                 | clear skies  |
| Light Intensity Absolute Max                | very bright  |
| Light Intensity Absolute Mean               | NULL   |
| Light Intensity Absolute Min                | cloudy skies   |
| Optimal Aspect Max (Degree)                 | NULL   |
| Optimal Aspect Mean (Degree)                | NULL   |
| Optimal Aspect Min (Degree)                 | NULL   |
| Optimal Slope Max (%)                       | NULL   |

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| Optimal Slope Mean (%)                 | NULL   |
| Optimal Slope Min (%)                  | NULL   |
| Photoperiod Long (>14 hours)           | false  |
| Photoperiod Neutral (12-14 hours)      | false  |
| Photoperiod Short (<12 hours)          | false  |
| Production System                      | small scale (manual); large scale/commercial |
| Rainfall Optimal Max (mm/Year)         | 3,000.00                                     |
| Rainfall Optimal Mean (mm/Year)        | 2,250.00                                     |
| Rainfall Optimal Minimum (mm/Year)     | 1,500.00                                     |
| Rainfall Absolute Maximum (mm/Year)    | 5,000.00                                     |
| Rainfall Absolute Mean (mm/Year)       | 3,000.00                                     |
| Rainfall Absolute Minimum (mm/Year)    | 1,000.00                                     |
| Heavymetal Toxicity Optimal High       | false  |
| Heavymetal Toxicity Optimal Moderate   | false  |
| Heavymetal Toxicity Optimal Low        | false  |
| Heavymetal Toxicity Absolute High      | false  |
| Heavymetal Toxicity Absolute Moderate  | false  |
| Heavymetal Toxicity Absolute Low       | false  |
| Soil Depth Optimal Deep (>150cm)       | false  |
| Soil Depth Optimal Medium (50 - 150cm) | true   |
| Soil Depth Optimal Low (< 50cm)        | false  |
| Soil Depth Absolute Deep (>150cm)      | false  |
| Soil Depth Absolute Medium (50-150cm)  | true   |
| Soil Depth Absolute Low (<50cm)        | false  |

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| Soil Fertility<br>Optimal High                      | false |
| Soil Fertility<br>Optimal Moderate                  | true  |
| Soil Fertility<br>Optimal Low                       | false |
| Soil Fertility<br>Absolute High                     | false |
| Soil Fertility<br>Absolute<br>Moderate              | false |
| Soil Fertility<br>Absolute Low                      | true  |
| Soil pH Optimal<br>Max                              | 6.50  |
| Soil pH Optimal<br>Mean                             | 5.75  |
| Soil pH Optimal<br>Min                              | 5.00  |
| Soil pH Absolute<br>Max                             | 7.00  |
| Soil pH Absolute<br>Mean                            | 5.75  |
| Soil pH Absolute<br>Min                             | 4.50  |
| Soil Salinity<br>Optimal High<br>(>10 dS/m)         | false |
| Soil Salinity<br>Optimal Moderate<br>(4-10dS/m)     | false |
| Soil Salinity<br>Optimal Low (<4<br>dS/m)           | false |
| Soil Salinity<br>Absolute High (10<br>dS/m)         | false |
| Soil Salinity<br>Absolute<br>Moderate<br>(4-10dS/m) | false |
| Soil Salinity<br>Absolute Low (<4<br>dS/m)          | false |
| Soil Texture<br>Optimal Heavy                       | true  |
| Soil Texture<br>Optimal Medium                      | true  |
| Soil Texture<br>Optimal Light                       | true  |
| Soil Texture<br>Absolute Heavy                      | true  |
| Soil Texture<br>Absolute Medium                     | true  |
| Soil Texture<br>Absolute Light                      | true  |
| Temperature<br>Optimal Max<br>(Degree Celcius)      | 30.00 |
| Temperature<br>Optimal Mean<br>(Degree Celcius)     | 26.00 |

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| Temperature Optimal Min (Degree Celcius)   | 22.00       |
| Temperature Absolute Max (Degree Celcius)  | 36.00       |
| Temperature Absolute Mean (Degree Celcius) | 26.00       |
| Temperature Absolute Min (Degree Celcius)  | 16.00       |
| Texture Clay Max (%)                       | <i>NULL</i> |
| Texture Clay Mean (%)                      | <i>NULL</i> |
| Texture Clay Min (%)                       | <i>NULL</i> |
| Texture Sand Max (%)                       | <i>NULL</i> |
| Texture Sand Mean (%)                      | <i>NULL</i> |
| Texture Sand Min (%)                       | <i>NULL</i> |
| Texture Silt Max (%)                       | <i>NULL</i> |
| Texture Silt Mean (%)                      | <i>NULL</i> |
| Texture Silt Min (%)                       | <i>NULL</i> |
| Water Requirement Max (liter/ha/season)    | <i>NULL</i> |
| Water Requirement Mean (liter/ha/season)   | <i>NULL</i> |
| Water Requirement Min (liter/ha/season)    | <i>NULL</i> |
| Notes                                      | <i>NULL</i> |
| Metadata ID                                | 3,114       |