Office of Communications – November 2020

[Global Agro-Ecological Zones v4 – Model documentation]

Corrigendum

Updated on [03/12/2021]

The following corrections were made to the PDF after it went to print.

Page	Location	Text in printed PDF	Text in corrected PDF
159	Table 10.3	Subtropics, cool; semi-arid Subtropics, cool; sub-humid Subtropics, cool; humid Subtropics, cool; semi-arid Subtropics, cool; sub-humid Subtropics, cool; humid	Subtropics, mod. cool; semi-arid Subtropics, mod. cool; sub-humid Subtropics, mod. cool; humid Subtropics, cool; semi-arid Subtropics, cool; sub-humid Subtropics, cool; humid
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206	Title	Appendix 4-3 Temperature profile tequirements	Appendix 4-3 Temperature profile requirements
207	Body text (bullet points)	CY: (Annuals) Length of growth cycle CYa: (Hybernating annuals) Length of pre-dormancy growth cycle CYb: (Hybernating annuals) Length of post-dormancy growth cycle Dormancy: Period with mean daily temperatures < 5ºC and a maximum length of 200 days. For hibernating crops to be suitable, on all days below 5ºC the mean daily temperatures must stay above a crop type specific minimum tolerated temperature. LGPT00: Number of days in a year with mean daily temperatures above 0ºC LGPT05: Number of days in a year with mean daily temperatures above 5ºC LGPT10: Number of days in a year with mean daily temperatures above 10ºC RHmin: Minimum mean monthly relative humidity RHavg: Average annual relative humidity DTRavg: Difference between annual average maximum and minimum temperatures DTRhigh: Largest difference of average monthly maximum and minimum temperatures NDN16: Number of days with minimum daily temperature < 16°C WSTRT: Accumulated P minus soil evaporation for up to 90 days before starting date	CY: (Annuals) Length of growth cycle CYa: (Hybernating annuals) Length of pre-dormancy growth cycle CYb: (Hybernating annuals) Length of post-dormancy growth cycle Dormancy: Period with mean daily temperatures < 5ºC and a maximum length of 200 days. For hibernating crops to be suitable, on all days below 5ºC the mean daily temperatures must stay above a crop type specific minimum tolerated temperature. LGPT00: Number of days in a year with mean daily temperatures above 0ºC LGPT05: Number of days in a year with mean daily temperatures above 5ºC LGPT10: Number of days in a year with mean daily temperatures above 10ºC RHmin: Minimum mean monthly relative humidity RHavg: Average annual relative humidity DTRavg: Difference between annual average maximum and minimum temperatures DTRhigh: Largest difference of average monthly maximum and minimum temperatures NDN16: Number of days with minimum daily temperature < 16°C WSTRT: Accumulated precipitation minus soil evaporation for up to 90 days before starting date TSM10: For days in LGPT10, accumulated temperature sum $\sum_{j\in LGPT10}\max(0, 〖Ta〗_j-10)$ TSM05: For days in LGPT05, accumulated temperature sum $\sum_{j\in LGPT05}\max(0, 〖Ta〗_j-5)〗$ T trend: “Upward” indicates that the crop cycle starting date should fall in the part of the year when temperature is generally increasing, i.e., temperature profile classes N1a to N9a. “Downward” refers to days with decreasing temperature trends, i.e., to classes N1b to N9b.
208	Body text (first sentence,	The “most limiting” evaluated related constraint factor is then used to reduce potential yields.	The “most limiting” evaluated constraint factor is then used to reduce potential yields.

<table>
<tr><td></td><td>second paragraph)</td><td></td><td></td></tr>
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<tr><th>Common crop name</th><th>Constraint subject</th><th>Constraint type</th><th>'Optimum' threshold</th><th>'Sub-optimum' threshold</th><th>'Not suitable' threshold</th></tr>
<tr><td rowspan="9">Winter wheat</td><td>L6a</td><td>≤</td><td>0.500×CYb</td><td>0.667×CYb</td><td>0.667×CYb</td></tr>
<tr><td>L6b</td><td>≤</td><td>0</td><td>0</td><td>0</td></tr>
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<tr><td>Dormancy*</td><td></td><td></td><td></td><td></td></tr>
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<tr><td>N9+N8+N7</td><td>≤</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>N6</td><td>≤</td><td>0</td><td>0.167×365</td><td>0.167×365</td></tr>
<tr><td>N5</td><td>≤</td><td>0.333×365</td><td>0.500×365</td><td>0.500×365</td></tr>
<tr><td>N2</td><td>≤</td><td>0.333×365</td><td>0.500×365</td><td>0.667×365</td></tr>
<tr><td>N1</td><td>≤</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>RHmin</td><td>≤</td><td>80%</td><td>90%</td><td>90%</td></tr>
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Table A4-3.3: Temperature profile constraint parameters for cereal crops
Table A4-3.4: Temperature profile constraint parameters for root and tuber crops
Table A4-3.5: Temperature profile constraint parameters for sugar crops
Table A4-3.6: Temperature profile constraint parameters for pulses
Table A4-3.7: Temperature profile constraint parameters for annual oil crops
Table A4-3.8: Temperature and humidity profile constraint parameters for industrial crops
Table A4-3.9: Temperature and humidity profile constraint parameters for vegetables
Table A4-3.10: Temperature and humidity profile constraint parameters for perennial fruits and stimulants
Table A4-3.11: Temperature profile constraint parameters for selected fodder and bioenergy crops</td></tr>
<tr><td>280</td><td>Body text (first line)</td><td>32. Dominantly water; 33. Dominantly urban/built-up</td><td>32. Dominantly urban/built-up; 33. Dominantly water</td></tr>
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