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10.7 Vegetation parameters

Vegetation is represented by 4 climatological parameters: vegetation cover of low vegetation, vegetation cover of high vegetation, low vegetation type and high vegetation type. These parameters are derived from the 2'30" GLCC data by averaging over the target grid squares. The fractional covers for low and high vegetation are obtained by combining the fractions from all the low and high vegetation types of [Table 10.1](#). The index of the dominant low and high vegetation types are also coded as climatological fields for use by the land surface scheme. The latter two fields can not be interpolated by standard procedures to another resolution. The resulting fields are shown in [Fig. 10.8](#), [Fig. 10.9](#), [Fig. 10.10](#) and [Fig. 10.11](#). [Table](#) and [Table 10.3](#) contain statistical information on the number of points in each vegetation class.

Table 10.2 Percentage of land points at T511 for each low vegetation type

Index	Vegetation type	Percentage of land points
1	Crops, Mixed Farming	22.1
2	Short Grass	10.0
7	Tall Grass	13.0
9	Tundra	8.9
10	Irrigated Crops	4.7
11	Semidesert	13.5
13	Bogs and Marshes	2.0
16	Evergreen Shrubs	1.5
17	Deciduous Shrubs	4.6
20	Water and Land Mixtures	0
-	Remaining land points without low vegetation	19.7

Table 10.3 Percentage of land points at T511 for each high vegetation type

Index	Vegetation type	Percentage of land points
3	Evergreen Needleleaf Trees	7.1
4	Deciduous Needleleaf Trees	3.3
5	Deciduous Broadleaf Trees	6.3
6	Evergreen Broadleaf Trees	12.8
18	Mixed Forest/woodland	3.9
19	Interrupted Forest	29.6
-	Remaining land points without high vegetation	37.0