Michele,

Find here attached an excel file with the partitioning functions of the main crops simulated by WOFOST. Biomass partitioning is expressed as the ratio of biomass allocated to the different plant organs at each development stage (DVS). DVS=0 refers to emergence, DVS =  1 refers to flowering, DVS = 2 refers to physiological maturity. An indicative table of the DVS values for wheat is given below:

|  |  |  |
| --- | --- | --- |
| From DVS | To DVS | Indicative phenology |
| 0 | 0.09 | emergence |
| 0.09 | 0.33 | tillering |
| 0.33 | 0.89 | heading |
| 0.89 | 1.11 | flowering |
| 1.11 | 1.77 | Grain filling |
| 1.77 | 1.99 | ripening |

The partitioning fractions are provided at the plant level (root vs. aboveground) and within the aboveground biomass (leaves, stems, storage organs). The partitioning factors have to be interpolated linearly between two DVS values –as in the example graph in the excel file– to generate a continuous function.

Let me know if you have further questions.

Hope it helps!

Raul