

**CM 96503**

(AC 596503  
Spring barley)

## **Distinctness Statement**

The spring barley variety CM 96503 can be distinguished from others by the following characters:

- strong anthocyan coloration of the auricles
- strong anthocyan coloration of the tips of the awns
- medium glaucosity of the ears

Enclosed some descriptive characters according to UPOV which might help for the Objective Description Form:

- 1. growth habit: 5 - intermediate
- 2. plant: length(stem, ears and awns): 5 - intermediate
- 4. lowest leaves: hairiness of leaf sheaths: 1 - absent
- 5. flag leaf: anthocyan coloration of the auricles 9 - present
- 6. flag leaf: intensity of anthocyan coloration of the auricles
  - 7 - strong
- 11. ear shape: 5 - parallel
- 12. ear density: 5 - medium
- 13. ear glaucosity: 5 - medium
- 16. sterile spikelet: attitude (in mid third ear) 2 - parallel
- 21. awns: length 5 - medium
- 22. awns: anthocyan coloration of the tips 9 - present
- 23. awns: intensity of anthocyan coloration of the tips
  - 7 - strong
- 24. rachilla: hair type 2 - long
- 28. grain: hairiness of ventral furrows 1 - absent

**End-user:** For hybrid and composite crops, please give the uncoded pedigree and derivation of the inbred lines. For other crops, please provide as much information as possible on the genetic background of the variety.

L 3370 x L 617

In what year was the final cross made? (only applicable to non hybrid and non-composite varieties)

1988

What breeding techniques were used in developing this variety? (i.e. pedigree selection, clonal selection, single seed descent)

pedigree selection

What selection criteria were used in developing this variety? In what generation(s) was selection conducted?

selection was made from F2 up to F8 generation for the  
criteria of lodging resistance, mildew, rust, net blotch

rhynchosporium and kernel quality  
In what generation was broader seed firm bulked?

F8-generation

How many lines were bulked to form this variety?

one line