CLIMATIC REQUIREMENTS OF PLANTS

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Outline:

• Introduction

· The effect of temperature on the yield of grain; · To prevent the plant from a low yield · Crop temperature needs • Conclusion









most important climatic factor to be considered in anniculture.



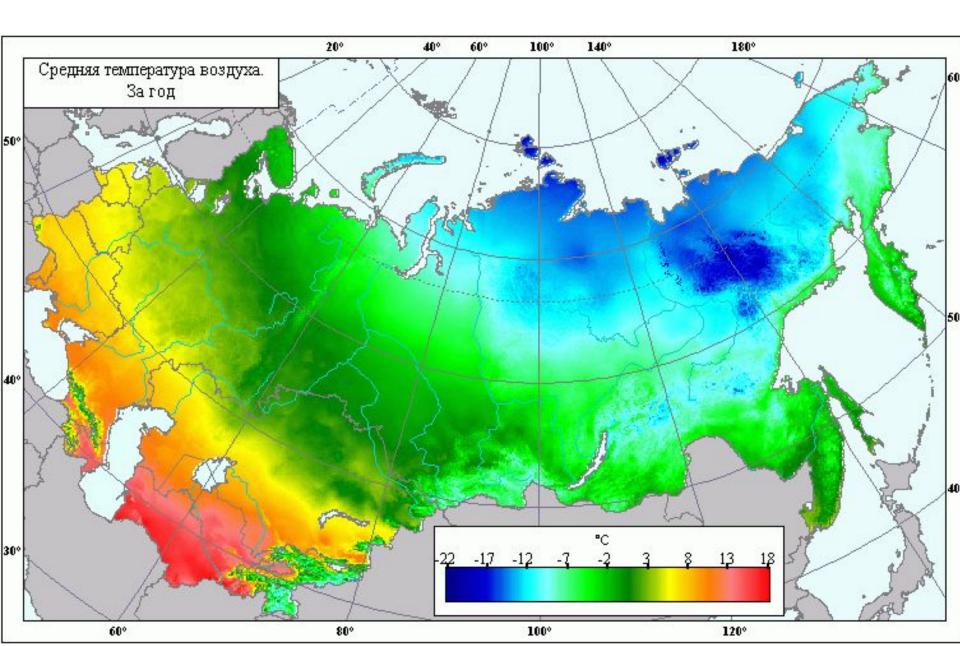


<u>CROP TEMPERATURE NEEDS</u>

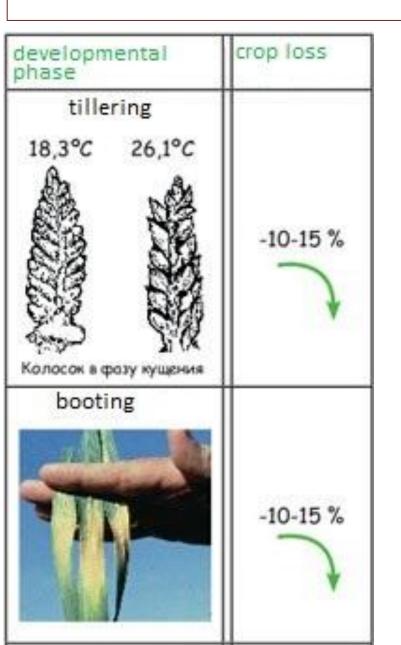
(the sum of active temperatures above 10°C)

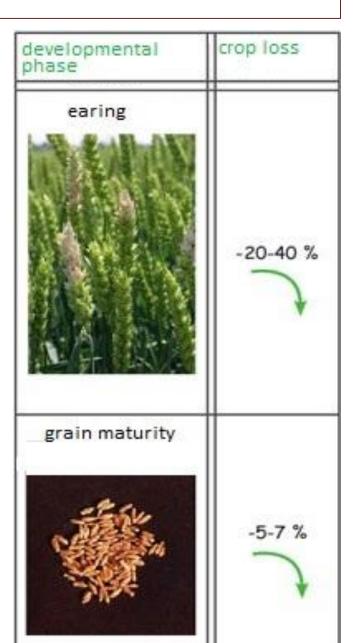


- Wheat 1200—1700,
- *Barley* 960—1450;
- Oats 1000—1600;
- *Millet 1410*—*1950;*
- Buckwheat 1200—1400;
- Potato 1200—1800.
- Corn 1100—2900;
- Sunflower 2000—2300;
- *Cotton 3000-3400*



The effect of temperature on the yield of grain





L'o prevent the plant • Create resistant crop varieties of high temperature; · Lo use of resource-saving technologies





- How does high air temperature influence on the yield in tillering period of wheat?
- How can we prevent a low yield of crops from high temperature?





- Kartamishev VG Oil crops in arid regions of Russia // environmental management and agricultural production in the southern regions Russian Federation.-M.: "Modern notebook", 2003.
- Elderen, E. van. Moisture content of wheat in harvesting period / E. van Elderen, Hoven S.P.J.H. van // Journal agricultural engineering research. -1973. Vol. 18. №2.