

Agriculture in Europe

WORKSHEET

1

Today you are going to learn about the relationship between the development of agriculture and the climate factors in Spain, Poland and Sweden..

Warm-up

What is agriculture? _____

What do farmers grow or breed? _____

What factors influence farming? _____

Before we start, let's revise a few words and phrases that you may find useful:

Glossary

- harvester - kombajn
- milking machines -dojarki
- seed - ziarno
- fertiliser - środki użyźniające
- irrigation - nawodnienie
- yield - wydajność
- greenhous - szklarnia
- crops - zbiory
- moisture level - poziom wilgotności
- and amount of feed for the plants.
- drought - susza
- growing season - sezon upraw
- frost hardy - mrozoodporny
- cultivation - uprawa
- thrive - prosperować
- humid environment - wilgotny klimat
- fertile soil - żyzna gleba
- evergreen - wiecznie zielony
- stems - łodygi
- thorns - kolce
- to ripen - dojrzewać
- cultivar - odmiana
- calcareous soils - gleby wapienne
- flourishing best - kwitzące najlepiej
- limestone slopes - stoki wapienne
- crags - turnie
- pruned - przycięty
- sturdy and extensive root systems solidne i rozbudowane systemy korzeniowe
- peat - torf
- flower buds - pąki kwiatowe
- spring frost - wiosenne przymrozki
- the blossom - kwiat
- fungal disease - choroby grzybicze
- mean temperatures - średnia temperatura
- wheat - pszenica
- rye - żyto
- Buckwheat - gryka
- Triticale - pszenżyto



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TASK 1

matching

Country no 1

- * Average low temperatures range from 3°C the central part to 13°C in the South.
- * Average high temperatures range from 20°C in Northeast to 25°C in the South.
- * Average rainfall ranges from 599 mm per year to 1,909 mm per year.
- * Sea temperatures range from 16°C to 23°C.
- * Average number of sunshine hours ranges from 2,584 hours per year in Northeast to 2,998 hours per year in Southern.

Country

no

2

- * Summers see an average temperature of about 20°C to 27°C. Winters can get bitterly cold with the north seeing average winter temps of 3°C and the south falling to averages of -8°C.
- * Rainfall is generally highest in the summer months. In the winter months most of the precipitation falls as snow. In the north this snow will last for about 40 days of the year, and can reach up to 60 days in the southern parts. Though rain does fall throughout the year, recorded precipitation is actually quite low, the annual average sitting between 500 and 650mm.
- * Sea temperatures range from 0°C to 21,2°C.
- * Average number of sunshine hours is 1,571 hours per year in the capital.

Country no 3

- * In the furthest south region: an average low of -3°C at its coldest in February, and an average high of 20°C in the peak of summer in July and August. Rainfall varies very little seeing 65 mm in its wettest month November, and 32 mm in its driest month, February.
- * Further northwest: the highest average is 17°C and the lowest average low is a devastating -21°C. From March till November the average high temperature does not get above freezing throughout the area. Snow can fall at any time of year and is heavy in the winter.
- * Sea temperatures range from 0°C to 21,7°C.
- * Average number of sunshine hours ranges from 1,126 hours per year in the North to 1,958 hours per year in the South.

Task 2



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I Liceum Ogólnokształcące im. T. Kościuszki w Koninie

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reading comprehension

Peaches grow in a fairly limited range in dry, continental or temperate climates, since the trees have a chilling requirement that tropical or subtropical areas generally cannot satisfy except at high altitudes. The trees themselves can usually tolerate temperatures to around -26 to -30 °C, although the following season's flower buds are usually killed at these temperatures, preventing a crop that summer. Flower bud death begins to occur between -15 and -25 °C, depending on the cultivar and on the timing of the cold, with the buds becoming less cold tolerant in late winter. Another climate constraint is spring frost. The trees flower fairly early (in March in western Europe) and the blossom is damaged or killed if temperatures drop below about -4 °C. However, if the flowers are not fully open, they can tolerate a few degrees colder. Climates with significant winter rainfall at temperatures below 16 °C are also unsuitable for peach cultivation as the rain promotes peach leaf curl, which is the most serious fungal disease for peaches. Finally, summer heat is required to mature the crop, with mean temperatures of the hottest month between 20 and 30 °C.

1. What the dangerous climate conditions can damage peaches during a year?

Winter:



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Spring:

Summer:



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