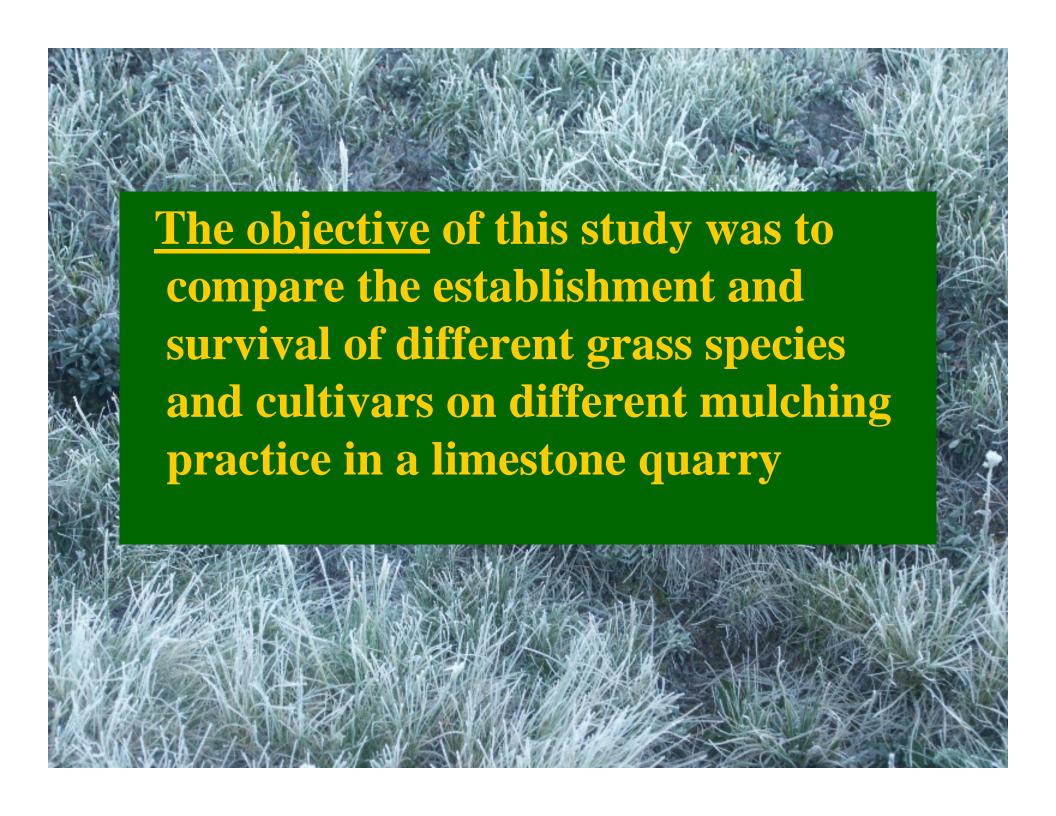
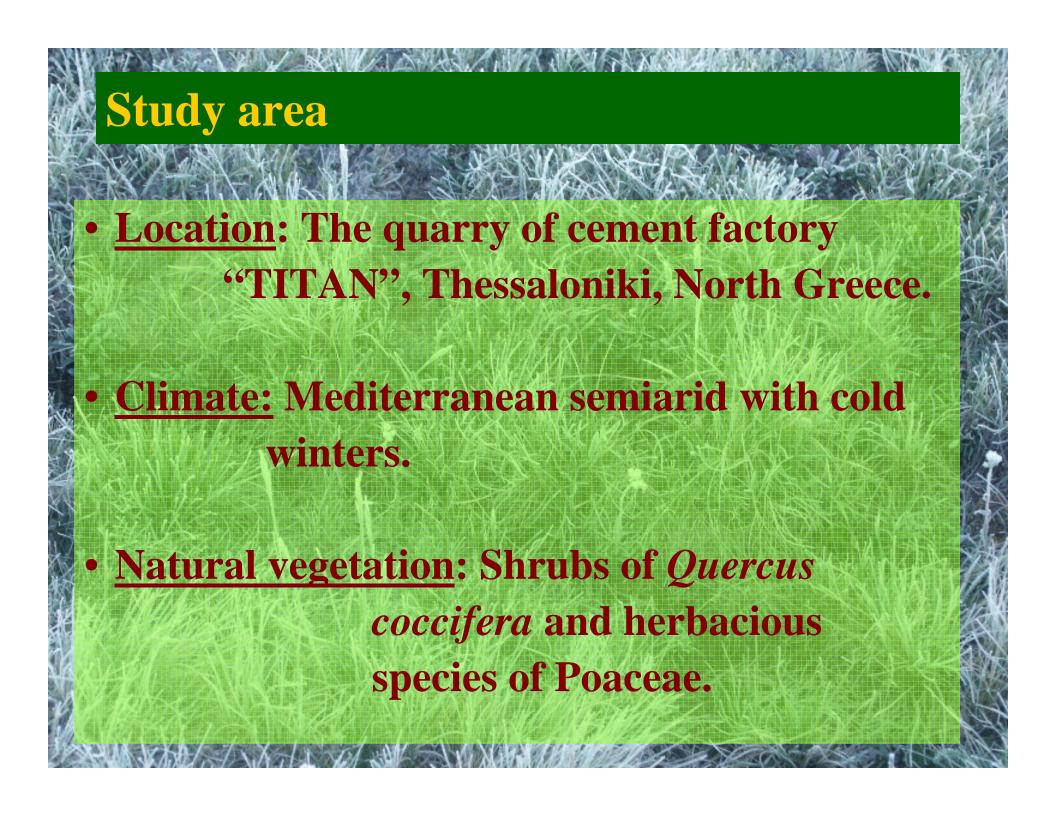


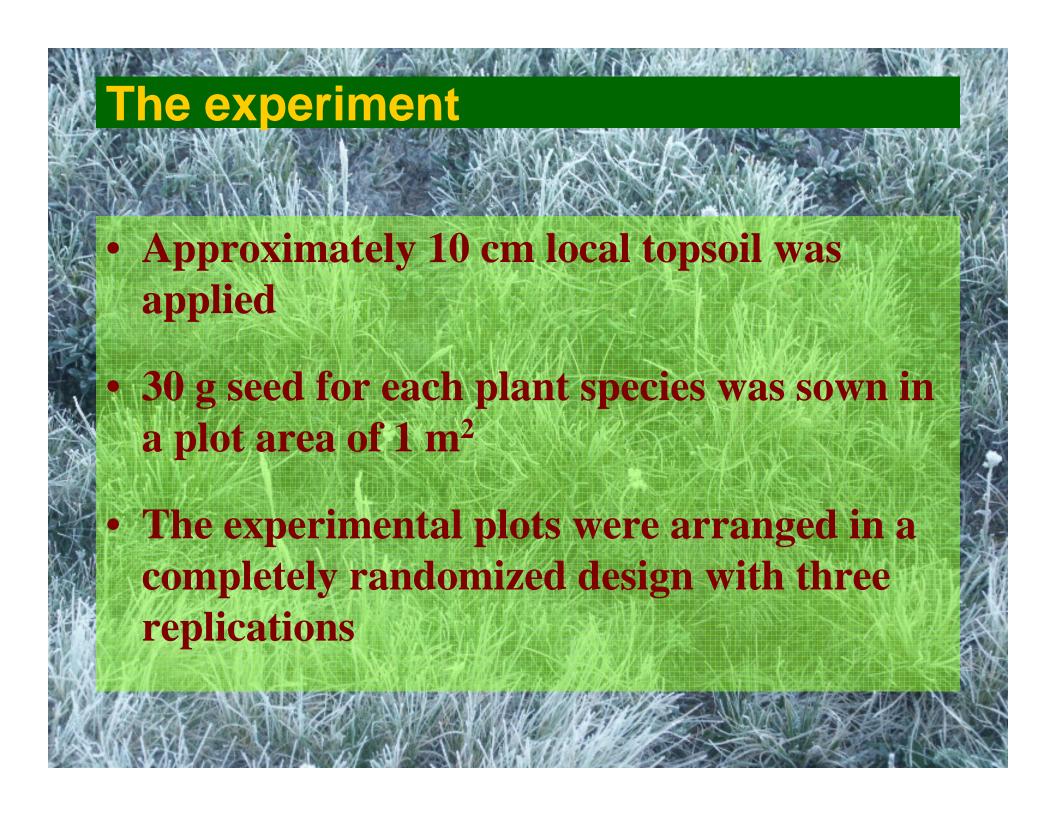


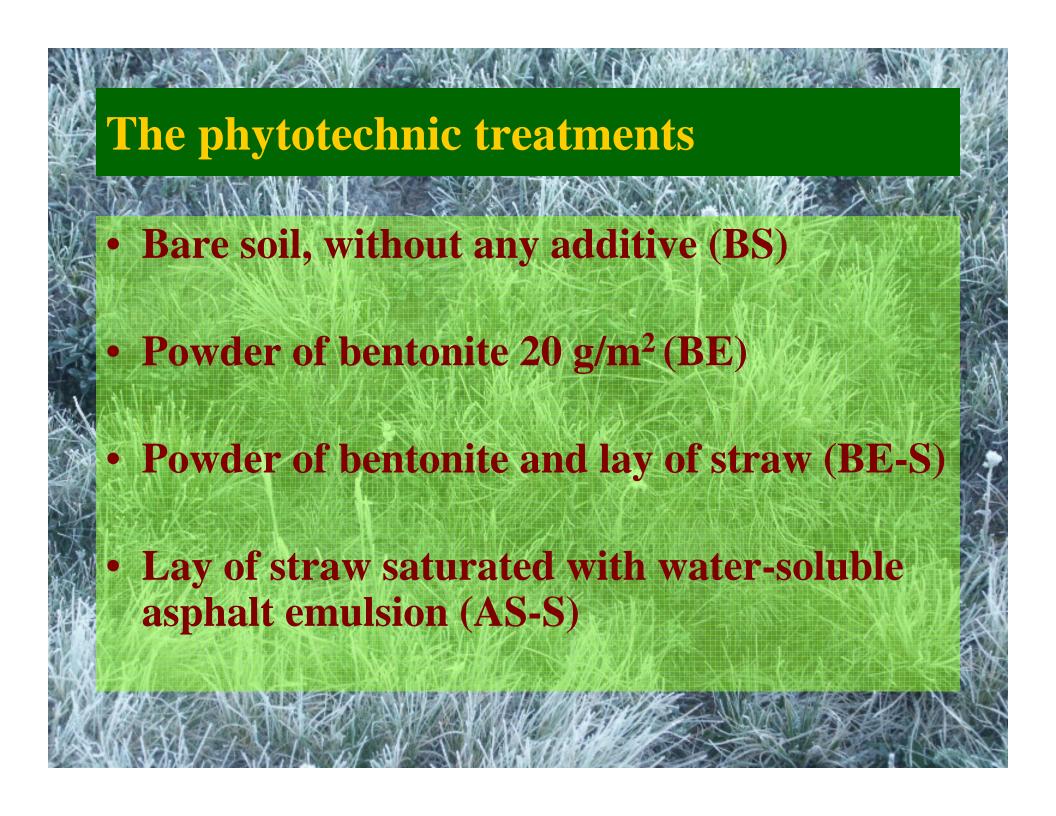
- Natural colonization is slow especially in Mediterranean area.
- Seeding is a difficult process because of the poor physical and chemical quality and the low biological activity of the soil.
- Mulching practice is necessary in order to create a proper seedbed for seed germination.

















Measurements

- Germination rate (%).
- Plant density (number of plants per square meter) from March to July.
- Vegetation cover (%) at the end of the growing season.
- The percentage of survival = (1-b/c)X100 b=the number of plant that establish at the beginning of the growing season.
 - c= the number of plant that survived at the end of the growing season.



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Species		Treatments			
	BS	BE	BE-S	AS-S	
Agropyron cristatum	12.7	15.5	25.7	25.1	19.7
Agropyron desertorum	2.7	2.5	6.9	5.6	4.4
Lolium perenne	24.6	27.6	42.3	22.1	29.2
Festuca arundinacea	2.8	4	9.4	4.7	5.2
Phalaris aquatica	9.2	13.1	32.0	20.1	18.6
Dactylis glomerata var. palestina	11.1	6.9	25.7	17.3	15.2
Dactylis glomerata var. perouvia		6.9	17.3	36	20.1
Dactylis glomerata var. chrysopigi	7.1	8.3	17.1	16.4	12.2
Mean	10.0	10.6	18.4 (22.0	

Density (number of plants/m²)

Species Treatments					Mean
	BS	BE	BE-S	AS-S	
Agropyron cristatum	3437	3477	5292	4466	4168
Agropyron desertorum	602	766	1446	1163	994
Lolium perenne	10234	15506	12447	12026	12553
Festuca arundinacea	1679	1277	4501	4252	2927
Phalaris aquatica	7026	9883	12197	11860	10242
Dactylis glomerata var. palestina	9182	8452	13087	12767	10872
Dactylis glomerata var. perouvia		3690	12418	13455	9854
Dactylis glomerata var. chrysopigi	5616	5914	10764	10962	8314
Mean	5396	6121	9019	8869	

Vegetation cover (%) at the end of the growing season

Species	Treatments			Mean	
	BS	BE	BE-S	AS-S	
Agropyron cristatum	10	15	4	28	14
Agropyron desertorum	17	0	30	43	23
Lolium perenne	20	25	30	25	25
Festuca arundinacea	15	20	20	19	19
Phalaris aquatica	0	10	6	6	6
Dactylis glomerata var. palestina	30	40	40	42	38
Dactylis glomerata var. perouvia		30	27	27	21
Dactylis glomerata var. chrysopigi	20	44	23	42	32
Mean	14	23	23 (29	

Survival (%) at the end of the growing season

Species			nents	Mean	
	BS	BE	BE-S	AS-S	
Agropyron cristatum	1.7	2.5	2.5	2.0	2.2
Agropyron desertorum	1.5	5.1	4.0	4.3	3.7
Lolium perenne	1.3	2.1	1.5	2.1	1.7
Festuca arundinacea	1.7	1.4	2.8	3.4	2.3
Phalaris aquatica	0,5	1.9	0.6	1.2	1.0
Dactylis glomerata var. palestina	1.7	3.8	2.0	1.9	2.4
Dactylis glomerata var. perouvia		0.9	0.5	0.4	0.6
Dactylis glomerata var. chrysopigi	1.6	4.3	2.5	2.4	2.7
Mean	1.4	2.7	2.1	2.2	



