



CSF 2018-2019

CERTIFIED SUSTAINABLE
FIBERMAX

SUMMARY

CSF program was applied to the Thrakika Ginning Mills for the fourth consecutive year. In 2018 our target was to select the most qualitative participants. As a result, the production of ginned cotton was of better quality as well as an environmentally friendly cultivation. Farmers enjoyed a better income, while returns to the local community through sponsorships were significantly increased. A smart farming system has been implemented in the cotton farmers' fields, while the training of farmers and the unique traceability system implemented have been improved. Finally, our company participated in many conferences to promote the CSF program in the international market.

CSF PROGRAM

BASF FiberMax cotton varieties are worldwide recognized for their superior fiber quality and have managed to create a separate category of cotton marketing.

[CSF program](#) aspires to further increase the added value of the final product. The program aims to promote the cotton produced by the FiberMax varieties through a socially sound, economically viable and environmentally friendly production method.

The implementation, control and certification of the program is done by third parties, external organizations, namely [AIFORIKI](#) and [QMSCERT](#).

CSF program is at the top of the Thrakika Ginning Mills's efforts to produce higher value cotton, promoted as [Cotton +](#).



CSF COTTON PRODUCTION

CSF program was applied to the Thrakika Ginning Mills for the fourth consecutive year. In 2018, the selection of the most qualitative participants was sought and achieved. The participating cotton producers and the quantities produced were as follows:

Year	Farmers	Area (hectares)	Seedcotton (tons)	Cotton Bales	Ginned Cotton (tons)
2015	54	561,9			
2016	185	1.645,4	4.260,9	7168	1603,7
2017	270	2.392,1	5.706,9	9359	2092,4
2018	236	2.116,7	5.327,3	9311	2086,0



CSF AND ENVIRONMENT

Production with sustainable farming practices means that environment, farmers and society have been taken into account during all stages of cultivation. In order to achieve this, a [protocol](#) has been followed, requiring new data and improvements every year. Here are the cultivation data for 2018/19.

IRRIGATION

Irrigation method	Area (hectares)	Rate
Irrigation channel TOEB	290,1	15%
Drilling	1602,5	85%
Total irrigated	1892,6	

Percentage of irrigated area per method	
Drip	19%
Rocket	52%
Pivot	17%
Non irrigated	12%



NUTRITION

Percentage of farmers applying slow release fertilizers	85%
Percentage of farmers applying fertigation	15%
Percentage of farmers who have performed soil analysis in the last 5 years	22%

* Average of fertilizer applications per agricultural parcel

* Average of nutritional units / hectare: N: 170,1kg P: 20,09kg K: 40,29kg

* It refers only to a sample of farmers

HERBICIDE & INSECTICIDE APPLICATIONS

Average of herbicide applications per agricultural parcel	1,74
Average of insecticide applications per agricultural parcel	1,43
Percentage of farmers applying crop rotation	48%
Percentage of operators – sprayers	83%
Percentage of farmers attended training programs for the proper use of Plant Protection Products	74%
Area percentage of Pix application	67%
Average of Pix applications	1,32

ADVANTAGES FOR THE FARMER

The production of a higher value cotton such as CSF requires that much of its added value returns to the cotton grower. In 2018 we subsidized all farmers participated in the program with 1,8 euro cents in addition to the conventional price. In addition, we subsidized the farmers who brought cotton with low humidity, so CSF producers also received on average another 2.1 euro cents per kg of seedcotton.

Environmental Indexes CSF 2018 Thrakika Ginning Industry



236

Farmers

Area

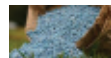
2.117 Ha

9.311 Certified
Cotton Bales



Fertilization
85%

of farmers apply
slow release
fertilizers



Irrigated area percentage

Drip **19%**
Rocket **52%**
Pivot **17%**
Dry **12%**



Herbicide applications

Average number of
herbicide applications

1,74



Water consumption

- Drip 2,17 m3/kg fiber
- Pivot 1,88 m3/kg fiber
- Rocket 1,86 m3/kg fiber



Pests

Average number of
insecticide applications

1,43

Crop Rotation

48% of farmers apply
crop rotation

BASIS

THE COTTON AUTHORITY

Extra subsidy per kg of seedcotton (€ cents)

Participation in the CSF program	1,8
Low moisture subsidy	2,1
Total	3,9

CSF AND LOCAL COMMUNITY

Companies must show social responsibility. In addition, all programs focused on special products must be sensitized to the problems of the local society.

In this context, the CSF program sponsored several local actions. In the last financial year the sponsorship was up 24.5% over the previous year.

These were broken down as follows:

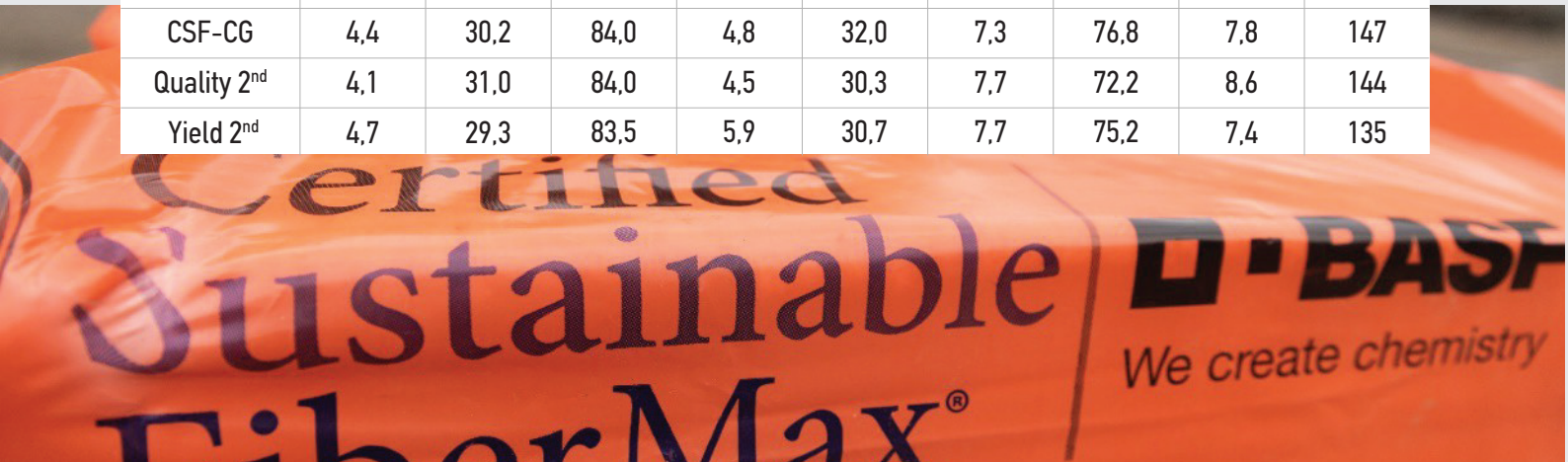
Education	42,1%
Health	14,2%
Culture	17,2%
Society	23,4%
Athletics	3,0%



CSF: A PREMIUM COTTON

FiberMax varieties are worldwide known for their high quality of the produced ginned cotton. This was also confirmed this year for the produced cotton by CSF program. Our company measures the technical characteristics of cotton (HVI) in 100% of the produced bales. The following table shows the results of the testing of CSF bales compared to those of the conventional cotton ginned (Common), of the second variety in quality (Quality 2nd), of the second variety in fiber yield (Fiber yield 2nd) and of the CSF custom-ginning production by a team of farmers who ginned and managed their cotton separately (CSF-CG) and achieved great results for the local conditions.

	Mic	Len	Unf	SFI	Str	Eln	Rd	+b	SCI
Common	4,7	29,4	83,7	5,5	29,9	7,5	72,9	8,4	133
CSF	4,4	30,2	83,9	5,0	31,5	7,3	75,3	7,6	144
CSF-CG	4,4	30,2	84,0	4,8	32,0	7,3	76,8	7,8	147
Quality 2 nd	4,1	31,0	84,0	4,5	30,3	7,7	72,2	8,6	144
Yield 2 nd	4,7	29,3	83,5	5,9	30,7	7,7	75,2	7,4	135



FARMERS TRAINING

The farmers who participate in the CSF program are required to be trained on irrigation, nutrition, plant protection, environmental protection, proper use of plant protection products and personal protection.

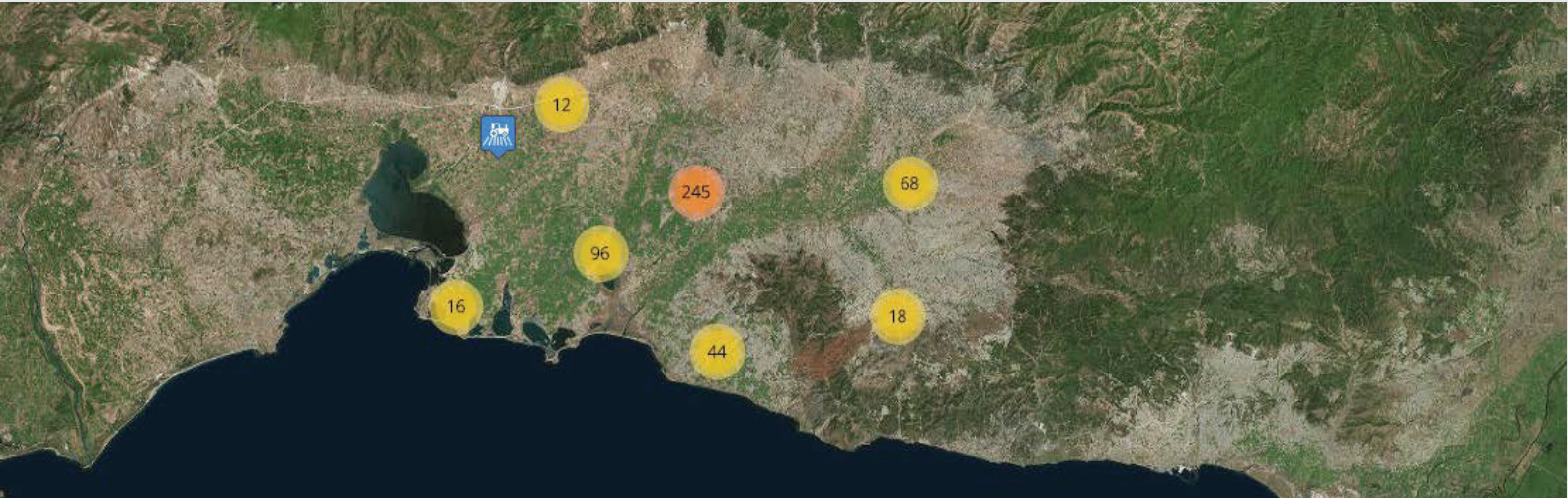


SMART FARMING

For a more efficient use of inputs, better quality and less environmental footprint, the CSF program offers farmers a smart farming system without any financial burden.

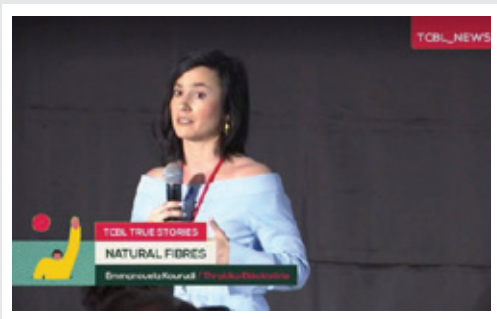
TRACEABILITY

The CSF program takes into considerable account the traceability, so that the final consumer knows exactly where the cotton was produced. A third-party company maps all the parcels and then registers and posts all data on the [CSF application](#), according to the GDPR regulation (General Data Protection Regulation).



PARTICIPATION IN CONFERENCES

In our effort to make CSF cotton as well as the importance of sustainable farming practices globally known, our company participated in various international conferences in 2018/19, most notably the [BCI Conference](#) in Brussels and the [TCBL Conference](#) in Prato, Italy.



[Video for CSF program](#)





THRAKIKA EKKOKKISTIRIA S.A.
4th klm Komotini - Xanthi, 69100, Komotini, Greece

 T. +30 25310 25035 & F: +30 25310 31002  info@thrakika.gr  www.thrakika.gr