

**Frost in northern part of Tajikistan**  
**Sughd Province**  
**Situation Report № 2**  
**May 1, 2015**

### Situation Overview

As a result of heavy snowfall and decrease of temperatures (-1 to -9 C°) in the period of March 29-April 1, 2015 a significant damage caused to agriculture crops and orchards in Sughd Province (northern part of Tajikistan).

### Damage Information

In April 6, 2015 the joint (government and international organizations) mission was deployed to Sughd Province to conduct an assessment on evaluation of the situation and determine the scale of economic loss and approximate amount of the required financial support.

The assessment was conducted by six Working Groups in the following cities and districts of Sughd Province: Isfara, B.Ghafurov, Konibodom, J.Rasulov, Spitamen, Ghonchi and Istaravshan.

The results of assessment showed that the frost significantly damaged the harvests of orchards, vineyards and other crops.

As per assessment report, the frost affected 34,140 ha of the orchards, which is 81,8% of the total area of the commercial plantations.

In Asht, J. Rasulov, Zafarobod, Konibodom, Mastchoh, and Spitamen districts, orchards have been damaged for 100%. In other districts, percentage of the damages are as follow: Isfara - 88,5%, Ayni - 83,5%, B Gafurov - 79,1%, Panjakent - 35,1%, Istaravshan - 17,3%, Ghonchi - 14,2% and Shahrison - 3,7%.

Besides the orchards and vineyards, the frost negatively affected the other agricultural crops as well. According to the observations in B. Gafurov, Konibodom, Ghonchi, J. Rasulov, Mastchoh, and Spitamen districts the planted crops have been partially damaged.

The total area of the planted crops in the above mentioned districts consist of 15,902.6 ha, from which 6,776.8 ha have been damaged, which is equal to 42,6%.



According to the analyses, it has been identified that **total amount of the damages in the region is 548,9 million Somoni** (for more information on agricultural loss in Sughd Province per districts, please see the Annex I.)

### Needs Information

According to the results of assessment, the following needs were identified:

#### Seeds:

- Corn (for seeds)- 227,203 kg
- Corn (for fodders)- 392,733 kg
- Haricot – 116,846 kg
- Mung bean – 186,630 kg
- Vegetable seeds- 82,765 kg
- Diesel fuel -6,491 tons
- Different fertilizers 38,948 kg

#### Food needs:

- Wheat flour- 5,364.5 tons
- Oil – 608,6 tons
- Buckwheat- 338,1 tons
- Rice- 450,8 tons
- Pearl barley- 225,4 tons
- Haricot- 225,4 tons
- Pea – 225,4 tons

#### Pesticides and fertilizers:

- Karate- 38,948.7 kg
- NGO- 23,369.2 kg
- Kurzait – 155,794.7 kg
- Mineral fertilizers- 6,491.4 tons

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## Information on agricultural loss in Sughd Province as the result of the frost on 29 March-1 April 2015

#	Towns and districts	Overall damage		Including				Consequences of the damage will lead to:						Overall damage cost in all sectors (thousand TJS)
		Ha	Amount (thousand TJS)	Orchards and vineyards		Agriculture crops		Unemployment			Unified tax (thousand TJS)	Irrigation water fees (thousand TJS)	Expenses until tree blooming (thousand TJS)	
				Ha	Amount (thousand TJS)	Ha	Amount (thousand TJS)	# of people, on average 1 person per ha	Salaries (thousand TJS)	Income tax (thousand TJS)				
#	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Ayni	564,3	5643,0	564,3	5643,0			564	169,3	22,0	112,9	84,6	564,3	6574,1
2.	Asht	9474,8	90578,0	9474,8	90578,0			9475	2842,4	369,5	1895,0	1421,2	9290,0	106026,6
3.	B. Gafurov	7666,9	112363,1	6875,7	86787,9	791,2	25575	7667	2300,1	299,0	1533,4	1150,0	4621,5	121968,1
4.	Ghonchi	1451,6	4534,7	191,6	1762,7	1260	2772	1452	435,5	56,6	290,3	217,7	191,6	5669,9
5.	J. Rasulov	2231,8	15376,5	543,8	4840,6	1688	10536	2232	669,5	87,0	446,4	334,8	384,5	17211,7
6.	Zafarobod	560,9	6477,6	560,9	6477,6			561	168,3	21,9	112,2	84,1	467,6	7309,8
7.	Istaravshan	1362,0	34612,6	1362,0	34612,6			1362	408,6	53,1	272,4	204,3	373,9	35871,8
8.	Isfara	9184,7	91575,3	9184,7	91575,3			9185	2755,4	358,2	1836,9	1377,7	9076,0	106621,3
9.	Konibodom	8092,0	84782,1	7818,0	78127,6	274	6654	8092	2427,6	315,6	1618,4	1213,8	7619,0	97660,9
10.	Mountainous Mastchoh													
11.	Mastchoh	218,1	3065,9	189,0	1800,5	29,1	1255	218	65,4	8,5	43,6	32,7	170,3	3378,0
	Spitamien	3553,3	23797,3	818,8	7520,5	2734,5	16277	3553	1066,0	138,6	710,7	533,0	705,9	26812,8
12.	Panjakent	533,0	6440,8	533,0	6440,8			533	159,9	20,8	106,6	80,0	533,0	7320,3
	Shahriston	23,5	235,0	23,5	235,0			24	7,1	0,9	4,7	3,5	23,5	273,8
13.	Khujand	94,4	866,5	94,4	866,5			94	28,3	3,7	18,9	14,2	63,4	991,3
14.	Kairokkum	12,0	117,5	12,0	117,5			12	3,6	0,5	2,4	1,8	11,0	136,3
15.	Chkalov	38,1	354,0	38,1	354,0			38	11,4	1,5	7,6	5,7	27,3	406,1
16.	Istiklol	18,2	178,8	18,2	178,8			18	5,4	0,7	3,6	2,7	17,1	207,6
<b>Total in Province:</b>		<b>45079,5</b>	<b>480998,7</b>	<b>38302,7</b>	<b>417918,8</b>	<b>6776,8</b>	<b>63079,8</b>	<b>45080</b>	<b>13523,9</b>	<b>1758,1</b>	<b>9015,9</b>	<b>6761,9</b>	<b>34139,9</b>	<b>548,940.2</b>