

### **Consumption and demand of pesticides:-**

The consumption of pesticides in technical grade during Kharif 2014-15 was 3851 MT against the demand of 4240 MT and during Rabi 2014-15 (upto 01.01.2015) the consumption of pesticides in technical grade is 1848 MT against the demand of 2130 MT. Thus the total consumption of pesticides in technical grade during 2014-15 is 5699 MT against the total demand of 6390 MT. The projected demand for the Kharif season 2015-16 is 4220 MT & for Rabi 2015-16 is 2140 MT. During the year 2014-15, the consumption of Bio-pesticides during the Kharif season was 131.62 MT against the demand that of 359.5 MT. The statement showing the demand vis-à-vis consumption of pesticides is given at **Annexure-I & Annexure-II**.

### **2. Availability and distribution of pesticides:-**

In the state of Punjab the pesticides are distributed to the farmers through Govt./Semi Govt. Agencies, Co-operative Societies and registered dealers. The total numbers of sale points as on 01.01.15 are 11990, out of which 270 sale points are of State Department of Agriculture, 909 in Co-operative and 11811 are in private sector. The statement showing the number of sale points is given at **Annexure-III**.

### **Commodity-wise consumption of pesticides:**

Commodity-wise consumption of pesticides and Bio pesticides for different Agriculture/Horticulture crops is given in prescribed format (**Annexure-IV**).

### **Area under Application of Bio-pesticides:**

The state area under cultivation wherein Chemical & Bio-pesticides are used is given at **Annexure-V**. Area under Bio-pesticides during the Kharif session is 0.87 Lac Hac, whereas, the total area under Chemical & Bio pesticides is about 35.77 lac hac.

**ANNEXURE -I**

**STATEMENT SHOWING THE DEMAND VIS-À-VIS CONSUMPTION OF PESTICIDES DURING 2014-15 AND PROJECTED DEMAND FOR RABI\Kharif : 2015-16**

*M.T(Tech. grade)*

Consumption during 2014-15					Total		Projected Demand for 2015-16	
Kharif			Rabi				Kharif	Rabi
Pesticides	Demand	Consumption	Demand	Consumption	Demand	Consumption	Demand	Projected Demand
Insecticides	2050	1787	600	580	2650	2367	2050	600
Weedicides	1910	1861	1190	1110	3100	2971	1910	1190
Fungicides	280	203	340	158	620	361	280	340
<b>Total</b>	<b>4290</b>	<b>3851</b>	<b>2130</b>	<b>1848</b>	<b>6370</b>	<b>5699</b>	<b>4240</b>	<b>2130</b>

**ANNEXURE -II****STATEMENT SHOWING THE DEMAND VIS-À-VIS CONSUMPTION OF BIO-PESTICIDES  
DURING 2014-15 AND PROJECTED DEMAND DURING THE YEAR, 2015-16****Name of the State:- Punjab**

Unit M.T. (Tech. Grade)

Sr. No.	Name of Bio-pesticides	Total Demand 2014-15				Total 2014-15		Projected Demand for 2015-16		
		Kharif		Rabi		Demand	Consumption	Kharif	Rabi	Total Demand
		Demand	Actual Consumption	Demand	Actual Consumption					
1	Pseudomonus Florescens 2.0% AS	36.00	36.75	4.00	0.90	32.00	37.65	40.00	2.00	42.00
2	Metarhizium Anisapliae	2.00	---	1.00	---	12.00	---	1.00	---	1.00
3	Bacillus Subtilis 2.0% AS	---	0.59	---	---	5.00	0.59	1.00	---	1.00
4	Neem Oil (Azadiractin)	---	10.81	---	---	101.00	10.81	12.00	1.00	13.00
5	Beaveria Bassiana	3.00	2.60	2.00	0.20	90.00	2.80	4.00	1.00	5.00
6	Trichoderma veride	36.00	75.68	5.00	3.30	119.00	78.98	70.00	5.00	75.00
7	Verticillium locenni	0.50	0.79	---	---	0.50	0.79	1.00	---	1.00
	<b>Total:-</b>	<b>77.50</b>	<b>127.22</b>	<b>12.00</b>	<b>4.40</b>	<b>359.50</b>	<b>131.62</b>	<b>129.00</b>	<b>9.00</b>	<b>138.0</b>

**STATEMENT SHOWING THE NUMBER OF SALE POINTS OF PESTICIDES AS ON 31.01.2015**

**Name of the State: Punjab**

<b>State</b>	<b>Distribution Points</b>			
	<b>State/ Deptt. of Agriculture</b>	<b>Cooperative/Agros</b>	<b>Private trade</b>	<b>Total</b>
Punjab	270	909	10811	11990

ANNEXURE-IV

COMMODITY & CROPWISE CONSUMPTION OF INDIGENOUS PESTICIDES (CHEMICAL & BIO.)  
DURING THE YEAR KHARIF, 2015

Name of the State: Punjab

Unit M.T. (Tech. Grade)

Sr.No.	Name of the commodity	Chemical Pesticides (Qty. in MT)	Bio- pesticides	Total
1.	Cereal Crops	2735.0	95.10	2830.10
2.	Vegetable Crops	599.0	9.86	618.86
3.	Pulse Crops	112.0	4.06	116.06
4.	Oilseed Crops	39.5	1.02	40.52
5.	Fruit Crops	112.0	3.36	115.36
6.	Plantation Crops	46.5	1.06	47.56
7.	Cash Crops	207.0	7.16	214.16
	<b>Total:</b>	<b>3851.0</b>	<b>131.62</b>	<b>3982.62</b>

AREA UNDER USE OF CHEMICAL AND BIO-PESTICIDES AS ON 31.01.2015

Name of the state: Punjab

Area (in 000 hectares)					Total area under chemical and bio-pesticides
S.No.	Total area under cultivation (Hect.)	Area under use of chemical pesticides (hect.)	Area under use of Bio-pesticides (hect.)	Area under use of Bio-pesticides and chemical pesticides, both (hect.)	
1	39.05	34.90	0.87	0.51	35.77