

TABLE 5.12
**Index Number of Agricultural Area, Production, Productivity,
 Cropping Pattern, Cropping Intensity, Productivity per hectare of
 Net Area Sown of Selected Crops and Net Area sown in West Bengal**
 (Base : Crop year 1981-82 =100)

Year	Index of					Productivity per hectare of net area sown	Net area sown
	Area	Production	Productivity	Cropping pattern	Cropping Intensity		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1990-91	109.8	162.7	148.2	114.2	111.8	165.7	98.2
2000-01	110.3	210.2	190.6	128.8	113.4	216.0	97.3
2005-06	114.5	232.9	203.4	130.7	120.4	244.9	95.1
2006-07	115.3	227.0	196.9	133.8	121.2	238.7	95.1
2007-08	115.7	251.9	217.7	134.7	121.7	264.9	95.1
2008-09	117.4	225.8	192.3	134.1	123.4	237.4	95.1
2009-10	113.4	267.3	235.7	134.1	120.1	283.1	94.4
2010-11	103.5	253.9	245.3	138.7	115.4	283.1	89.7
2011-12	110.5	252.5	228.4	131.9	118.4	270.4	93.4
2012-13	112.2	268.1	238.9	132.5	120.0	286.7	93.5
2013-14	114.3	265.4	232.2	136.2	121.6	282.3	94.0
2014-15	115.1	294.6	255.9	133.3	122.3	313.0	94.1

Source: Evaluation Wing, Directorate of Agriculture,
 Govt. of West Bengal.

Compiled by : Bureau of Applied Economics & Statistics,
 Govt. of West Bengal.

$$(i) \text{ Index of Cropping pattern in the } j\text{-th year} = \frac{C_{ij} Y_{io} P_{io} \times 100}{C_{io} Y_{io} P_{io}}$$

$$\text{Where } C_{io} = \frac{a_{io}}{a_{io}} = \text{Proportion of area under the } i\text{-th Crop in the base period}$$

$$C_{ij} = \frac{a_{ij}}{a_{ij}} = \text{Proportion of area under the } i\text{-th Crop in the } j\text{-th year.}$$

Y_{io} =Yield per hectare of the i -th Crop in the base period.

P_{io} =Price per unit of the i -th Crop in the base period.

$$(ii) \text{ Index of Cropping Intensity} = \frac{\text{Index of area under crops}}{\text{Index of net area sown}} \times 100$$