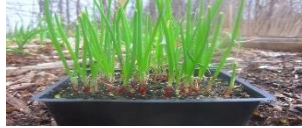





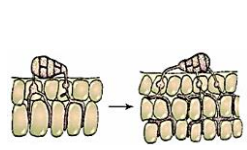




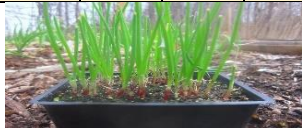




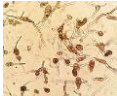
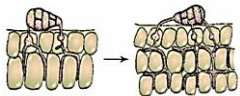




Crop disease weather calendar of the Rabi season Onion (Purple blotch disease): **Dhaka Region** (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) **Bangladesh**

Dhaka Region		Rabi season Onion: Purple blotch disease														Life span: 100-110 days						
Weather warning	Months	November				December				January				February			March					
	Max. Temp. (°C)	Warm temperature, 30 °C																				
	Min. Temp. (°C)	21 °C																				
	RH Max (%)	Humidity 90% or above (wet and humid condition)																				
	RH Min (%)	80%																				
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage causes prolonged leaf wetness (12 hours or more) and forward disease development.																				
Weekly normal weather	Std. Week/Normal	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13
	Rainfall (mm)	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5	20.5
	Max. Temp. (°C)	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2
	Min. Temp. (°C)	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	19.8	21.8
	RHmax (%)	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9	89.2	89.6	90.3
	RHMin (%)	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5	35.9	38.9	44.5
	SShr (hrs)	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0	58.0	55.5	52.5
Stages																						
	Germination and Seedling Planting		Vegetative Growth				Bulb formation						Harvesting									
Disease Life cycle																						
	Spore association with host		Spore germination		Germ tube formation & Penetration		Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage													

Crop disease weather calendar of the Kharif season Onion (Purple blotch disease): **Dhaka Region** (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) **Bangladesh**

<b>Dhaka Region</b>		<b>Kharif season Onion: Purple blotch disease</b>														Life span: 100-110 days							
Weather warning	Months	April				May				June				July		August							
	Max. Temp. (°C)	Warm temperature, 30 °C																					
	Min. Temp. (°C)	21 °C																					
	RH Max (%)	High humidity 90% or above (wet and humid condition)																					
	RH Min (%)	80%																					
	Rainfall (mm)	Moderate to heavy frequent rainfall and heavy dew during growing stage																					
Weekly normal weather	Std.Week/Normal	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	
	Rainfall (mm)	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5	67.0	59.5	77.0	62.5	
	Max. Temp. (°C)	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2	32.2	32.2	31.9	32.3	
	Min. Temp. (°C)	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0	26.2	26.7	26.2	26.2	
	RHmax (%)	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3	94.0	94.1	94.4	94.8	
	RHMin (%)	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1	71.0	71.6	72.2	71.2	
	SShr (hrs)	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0	33.5	32.5	31.5	31.5	
Stages																							
	Germination and Seedling Planting		Vegetative Growth				Bulb formation						Harvesting										
Disease Life cycle																							
	Spore association with host		Spore germination		Germ tube formation & Penetration			Disease development		After occurrence of disease the disease cycle continued up to bulb formation stage													