**Phenology of the most dominant wheat varieties in Egypt**

**Growth stages**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety** | **Growth stages (days)** | | | |
| Misr 1 | Misr 2 | Giza 171 | Sakha 95 |
| 0 Germination | 5-8 | 4-9 | 6-9 | 5-8 |
| 1 Seedling growth | 8-25 | 9-23 | 9-25 | 8-22 |
| 2 Tillering | 25-40 | 23-45 | 25-43 | 22-46 |
| 3 Stem elongation | 40-55 | 45-60 | 43-60 | 46-63 |
| 4 Booting | 55-70 | 60-68 | 60-70 | 63-75 |
| 5 Grain formation | 70-84 | 68-76 | 70-84 | 75-88 |
| 6 Dough development | 84-93 | 76-88 | 84-96 | 88-97 |
| 7 Physiological development | 93-135 | 88-140 | 96-145 | 97-155 |
| 8 Dead development & Ripening | 135-155 | 140-155 | 145-160 | 155-168 |

**Canopy height**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Growth stages** | **Wheat varieties** | | | | | | | |
| **Misr 1** | | **Misr 2** | | **Giza 171** | | **Sakha 95** | |
| Cnpy\_Ht  (cm) | DOY | Cnpy\_Ht  (cm) | DOY | Cnpy\_Ht  (cm) | DOY | Cnpy\_Ht  (cm) | DOY |
| 1 Seedling growth | 5-8 | 342-359 | 4-9 | 343-357 | 6-9 | 345-359 | 5-8 | 342-356 |
| 2 Tillering | 15-20 | 359-9 | 16-22 | 356-14 | 18-23 | 358-12 | 19-27 | 355-15 |
| 3 Stem elongation | 33-40 | 9-24 | 30-45 | 14-29 | 32-47 | 12-29 | 36-49 | 15-32 |
| 4 Booting | 45-58 | 24-39 | 51-63 | 29-37 | 55-70 | 29-39 | 56-77 | 32-44 |
| 5 Grain formation | 60-63 | 39-53 | 66-73 | 37-45 | 74-86 | 39-53 | 80-86 | 44-57 |
| 6 Dough development | 90-97 | 53-62 | 85-105 | 45-57 | 95-110 | 53-65 | 105-113 | 57-66 |
| 7 Physiological development | 90-97 | 62-104 | 85-105 | 57-109 | 95-110 | 65-114 | 105-113 | 66-124 |
| 8 Dead development & Ripening | 90-97 | 104-124 | 85-105 | 109-124 | 95-110 | 114-129 | 105-113 | 124-137 |