

## Plant Protection I 2026- Typical correction

### 1. Are these statements true or false (1p x 10)

a. F

Among biotic factors relating to weed establishment and survival, we can cite *Animals* (insects, grazing animals, soil fauna)

b. F

The categories of weeds according to their habitat are: *Terrestrial/ aquatic*

c. F

A typical fungus consists of a mass of branched and tubular filaments, called *Hyphae*

d. T

e. T

f. F

Weeds increase protection costs because they *harbor other pests*

g. F

We are concerned about weeds because they compete with crop plants *for light, space, nutrients and water*

h. F

To grow, all fungi require a source of *carbon and energy*

i. F

Phytopathogenic fungi cause diseases to crops

j. T

### 2. Cite 6 ideal characteristics of weeds (0.5p x 6)

1. Germination requirements fulfilled in many environments
2. Discontinuous germination (internally controlled) and great longevity of seed
3. Rapid growth through vegetative phase to flowering
4. Continuous seed production for as long as growing conditions permit
5. Self-compatibility but not complete autogamy or apomixy
6. Cross-pollination, when it occurs, by unspecialized visitors or wind
7. Very high seed output in favorable environmental circumstances
8. Production of some seed in wide range of environmental conditions; tolerance and plasticity
9. Adaptations for short-distance and long-distance dispersal
10. If a perennial, vigorous vegetative reproduction or regeneration from fragments
11. If a perennial, brittleness, so as not to be drawn from ground easily
12. Ability to compete interspecifically by special means (rosette, choking growth, and allelochemicals)

### 3. Negative impacts of herbicide use (1p x 4)

- Herbicide resistance in weeds;
- Herbicides and water quality (Since the 1980s there has been increasing recognition that herbicides, applied in the course of normal farming practices, have contaminated surface and ground water in many agricultural regions);
- Herbicide drift (Herbicides can contaminate off-target sites by moving in air as well as in water);
- Acute and chronic effects of herbicides on human health (public health reports and epidemiological studies indicate that certain herbicides can be responsible for direct, unintentional poisoning and may be associated with increased incidence of cancer and other disorders)

### 4. The different kinds of fungi according to their modalities of reproduction (0.5+1p x 2)

- Perfect fungi: reproduce either by sexual or asexual modalities (ex: Ascomycota)
- Imperfect fungi: reproduce exclusively by vegetative modality