### TEST IZ PREDMETA "ZAŠTITA BILJA" - GRUPA "A" -

#### Nastavna cjelina: ZAŠTITA JABUKE

Ime i prezime\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Datum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Broj bodova:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Razred:\_\_\_\_\_\_\_\_\_\_\_ Ocjena: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Dopuni riječ koja nedostaje:**

1. Ličinka jabučnog savijača je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

2. Uzročnik pepelnice jabuke je gljiva \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Pratioci lisnih uši koji se hrane mednom rosom su \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

4. Gljiva, uzročnik truleži jabuke zove se \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ su sredstva za suzbijanje biljnih bolesti.

**Zaokruži točan odgovor:**

6. Pepelnica jabuke i kruške je:

a) viroza

b) mikoza

c) bakterioza

7. Ljepljivu tekućinu (eksudat) na površini zaraženih grana izlučuje uzročnik

a) čađave krastavosti

b) bakterijske paleži

c) pepelnice

8. Jabučni cvjetar je :

a) zlatica

b) leptir

c) pipa

9. Izbaci uljeza (prema redu kojem pripada)

a) lisne uši

b) jabučni savijač

c) savijač pokožice ploda

**Odgovori na pitanja:**

10. U kojem obliku prezimljuju lisne uši?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

11. Nabrojite mjere za suzbijanje jabučnog savijača.

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12. Napišite 4 insekticida koji se mogu koristiti u zaštiti jabuke .  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Determinirajte bolest ili štetnika prema simptomima:

13. mrežavost jabuke

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. na plodovima kruške i jabuke maslinaste ili plutaste mrlje

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. vrhovi mladih listova kovrčavi, mravi na voćkama

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Opišite simptome kod napada bolesti crna bakterijska palež (*Erwinia amylovora*).

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17. Opiši štete koje prave jabučni savijač (1. i 2. generacija).

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18. Nabroji 4 fungicida koji se mogu koristiti u zaštiti jabuke

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19. Nabroji četiri bolesti koje napadaju jabuku i krušku (hrv. i lat. naziv).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
  
20. Pridruži štetnika porodici kojoj pripada, tako da na crtu ispred imena štetnika napišeš slovo pripadajuće porodice.

1. KORNJAŠI *(Coleoptera)* \_\_\_\_\_\_\_ Jabučni cvjetar
2. JEDNAKOKRILCI *(Homoptera)*  \_\_\_\_\_\_\_ Jabučni savijač
3. LEPTIRI *(Lepidoptera)* \_\_\_\_\_\_\_ Jabučna osica
4. OPNOKRILCI *(Hymenoptera)*  \_\_\_\_\_\_\_ Jabučna pepeljasta uš

### TEST IZ PREDMETA "ZAŠTITA BILJA" - GRUPA "B"-

#### Nastavna cjelina: ZAŠTITA JABUKE

Ime i prezime\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Datum:\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Broj bodova:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Razred: \_\_\_\_\_\_\_\_\_\_\_ Ocjena: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Dopuni riječ koja nedostaje:**

1. Ličinka jabučne osice je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

2. Uzročnik krastavosti ploda jabuke i kruške je gljiva \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ su kemijska sredstva za suzbijanje pauka i grinja.

4. Lisne uši prezimljuju u obliku \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ su biljne bolesti izazvane gljivama.

**Zaokruži točan odgovor:**

6. Pepelnica jabuke je:

a) viroza

b) mikoza

c) bakterioza

7. Ličinku u obliku gusjenice ima:

a) jabučni savijač

b) jabučni cvjetar

c) jabučna osica

8. Jabučni cvjetar je

a) pipa

b) leptir

c) opnokrilac

9. Trulež ploda izaziva gljiva:

a) Venturia inaequalis

b) Nectria galligena

c) Monilia fructigena

**Odgovorite na pitanja:**

10. Gdje prezimljuje prezimljuje jabučni savijač?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. Nabrojite 3 vrste lisnih uši na jabuci (samo hrvatski naziv)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. *Cydia pomonella* je \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ :

Determinirajte bolest ili štetnika prema simptomima:

13. maslinasto-sive mrlje na listovima i plodovima jabuke

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. crvljivost ploda

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. izgriženi pupovi i prašnici na jabuci

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Kada i zašto se provodi zimsko prskanje jabuke?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
17. Opišite simptome na jabuci kod napada bolesti pepelnica jabuke.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

18. Nabroji 4 insekticida koji se mogu koristiti za suzbijanje lisnih uši.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

19. Nabroji četiri bolesti koji napadaju jabuku i krušku (hrvatski i latinski naziv).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)  
  
20. Pridruži štetnika porodici kojoj pripada, tako da na crtu ispred imena štetnika napišeš slovo pripadajuće porodice.

1. KORNJAŠI *(Coleoptera)* \_\_\_\_\_\_\_ Jabučni cvjetar
2. JEDNAKOKRILCI *(Homoptera)*  \_\_\_\_\_\_\_ Jabučni savijač
3. LEPTIRI *(Lepidoptera)* \_\_\_\_\_\_\_ Lisne uši
4. OPNOKRILCI *(Hymenoptera)*  \_\_\_\_\_\_\_ Jabučna osica