



西北农林科技大学

博/硕士学位论文

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论文题目

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for the Degree of
Doctor/Master of

根据申请类型选 Doctor 或 Master。Doctor of 后一律填 Philosophy； Master Of 后填授予学位门类，例如：Engineering； Agriculture； Managements 等。

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宋体五号，居中

摘要

摘要

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关键词：

五号宋体（加粗）

五号宋体

ABSTRACT

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ABSTRACT

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目录

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表 2-1 培养基种类对“日本红”菊花茎尖培养成活率和再生率的影响

Table 2-1 Effects of different media on survival and shoot regrowth rates of shoot tips of *Chrysanthemum*

<i>morifolium</i> 'Japanese Red'		
培养基种类*	成活率 (%)	再生率 (%)
Types of medium*	Survival (%)	Shoot regeneration (%)
SRM 1	94.6 ± 5.2a	61.7 ± 2.1a
SRM2	80.8 ± 4.4b	45.4 ± 2.5b
SRM3	85.8 ± 4.1b	50.0 ± 2.6b

表中数据为平均值±标准误。同处理中带不同字母的数据表示差异显著($P < 0.05$)。显著性检验方法为 Student's *t*-test.

*培养基的成分分别是: SRM 1= MS + 1.0 mg/L BA + 2.0 mg/L NAA; SRM 2= MS + 1.0 mg/L BA + 0.1 mg/L NAA; SRM 3= MS + 0.05 mg/L GA₃.

Data were presented as means ± SE and with different letters in the same column indicate significant difference at $P < 0.05$ analyzed by Student's *t*-test.

*SRM1=MS + 1.0 mg/L BA + 2.0 mg/L NAA; SRM2=MS + 1.0 mg/L BA + 0.1 mg/L NAA; SRM3= MS + 0.05 mg/L GA₃.

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第二章 XXXXX

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2.1.1 XXXXX

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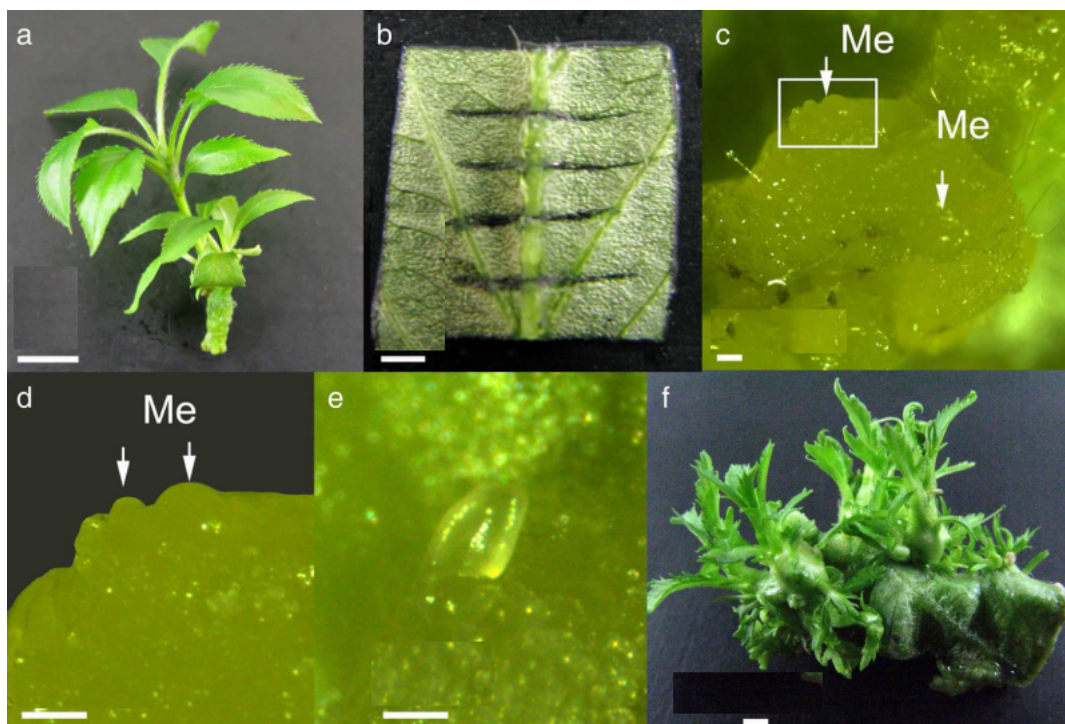


图 2-1 “Gala” 苹果叶片不定芽再生

用于不定芽再生 4 周苗龄的试管苗 (a); 叶片外殖体 (b); 培养 11 天后形成的不定芽突起 (c); c 图中不定芽突起的放大图 (d); 发育完整的不定芽 (e); 不定芽萌发后形成的茎 (f)。

a 图的比例尺为 1.0 cm; d 和 f 图的比例尺为 1.0 mm; c、d 和 e 图的比例尺为 0.1 mm。

Figure 2-1. Adventitious shoot regeneration from leaf segments of apple ‘Gala’.

A 4-wk-old stock shoots (a). A leaf segment with four transverse cuts across the midvein on the abaxial side, used for shoot regeneration (b). Small meristemoids (Me) formed from callus after 11 d of culture (c). Magnified view of the rectangular area in (c), showing meristems (d). An adventitious bud with leaf primordia after 16 d of culture (e). Adventitious shoots regenerated from leaf segments after 11 wk of culture.

Bars in a=1.0 cm; in b and f=1.0 mm, and in c, d and e=0.1 mm.

图注为 5 号字，行距
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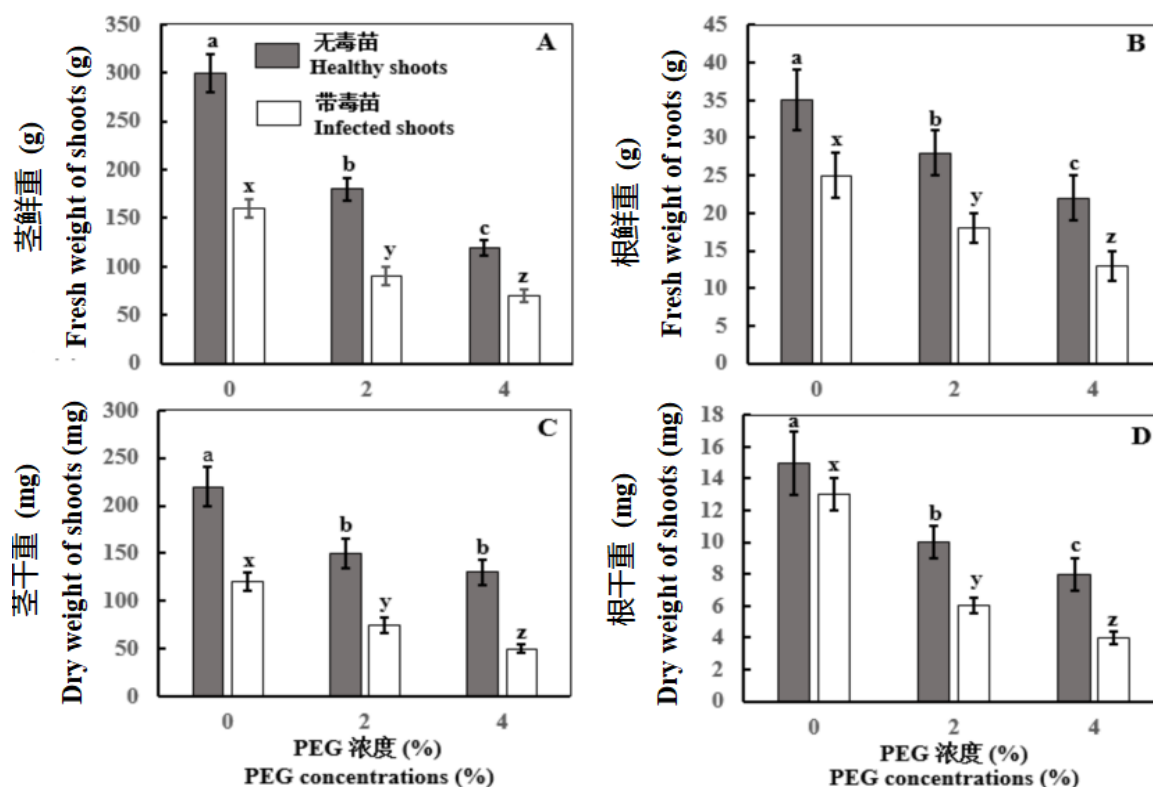


图 2-2. PEG 诱导的干旱胁迫对‘解百纳’葡萄 (*Vitis vinifera*) 试管苗感染葡萄卷叶病毒-3 和无毒苗营养生长的影响。

(A) 茎鲜重; (B) 茎干重; (C) 根鲜重; (D) 根干重。图中柱为平均数±标准误。同参数间带不同字母的数据表示差异显著 ($P < 0.05$)。显著性检验方法用 Student's *t*-test。

Figure 2-2. Effects of PEG-induced drought stress on vegetative growth of *in vitro* shoots of ‘Cabernet Sauvignon’ grapevine (*Vitis vinifera*) infected with and without grapevine leafroll virus-3 (GLRaV-3).

(A) Fresh weight of shoots. (B) Dry weight of shoots. (C) Fresh weight of roots. (D) Dry weight of roots. Data were presented as means ± SE and with different letters within the same parameter are significantly different at $P < 0.05$ analyzed by Student's *t*-test.

图注为 5 号字，行距为固定值 18 磅，中英文对照

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