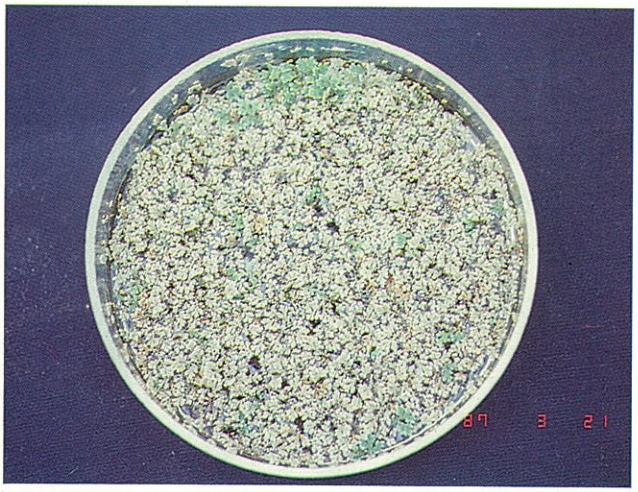
## C-42　滿江紅. Azolla.

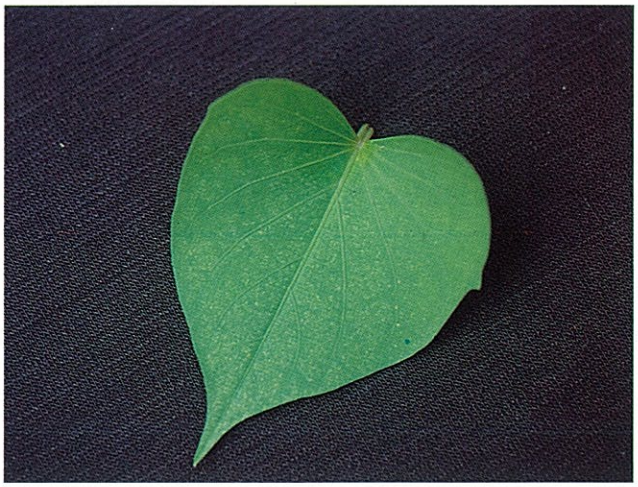


$NO_2$ 7.0 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：嚴重乾枯，攝影：處理後 1天，使用品種：Azolla filiculoides (西德).

$NO_2$ 7.0 ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20 ℃ (day/night), humidity 80％, light 7000 lux, symptom: severe necrosis, photo: 1 day after fumigation, cultivar used is written in the Chinese section.

## D. 臭氧. Ozone.

### D-1　甘藷. Sweet potato. Ipomoea batatas (L.)



$O_3$ 0.2 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後2天，使用品種：台農品系.

$O_3$ 0.2 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 2 days after fumigation, cultivar used is written in the Chinese section.

### D-2　甘藷. Sweet potato.

照片D-1的另一角度攝影. (徵狀：如照片所示).

Another view of plate D-1.(symptom:as shown in the plate).



## D-3　甘藷. Sweet potato.

再觀察照片 D-1. (攝影：處理後 4天). (徵狀：如照片所示).
Again a view of plate D-1. (photo: 4 days after fumigation). (symptom:as shown in the plate).



## D-4　大豆. Soybean. Glycine max (L.) Merrill.



$O_3$ 0.21ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後6天，使用品種：高雄選15號.

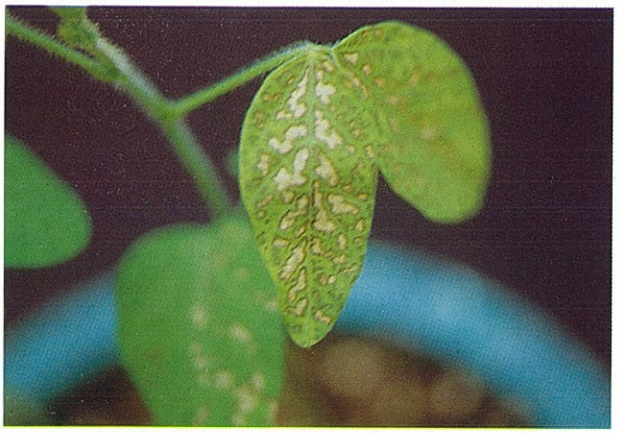
$O_3$ 0.21ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃(day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

## D-5　大豆．Soybean.

照片 D-4 的近照. (如照片所示的葉間乾枯).

A close view of plate D-4. (necrosis as shown in the plate).





## D-6　大豆．Soybean.

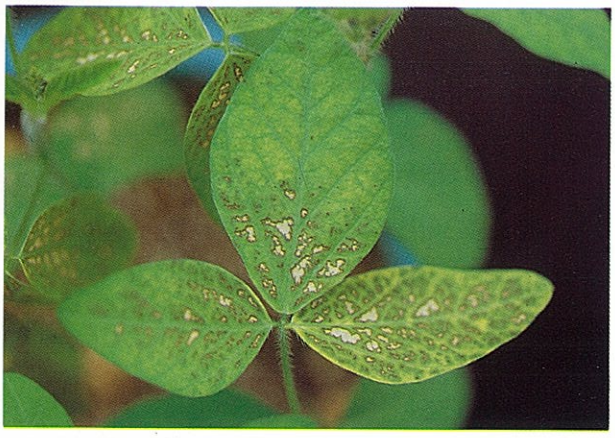
照片 D-4 的近照. (如照片所示的葉間乾枯).

A close view of plate D-4. (necrosis as shown in the plate).

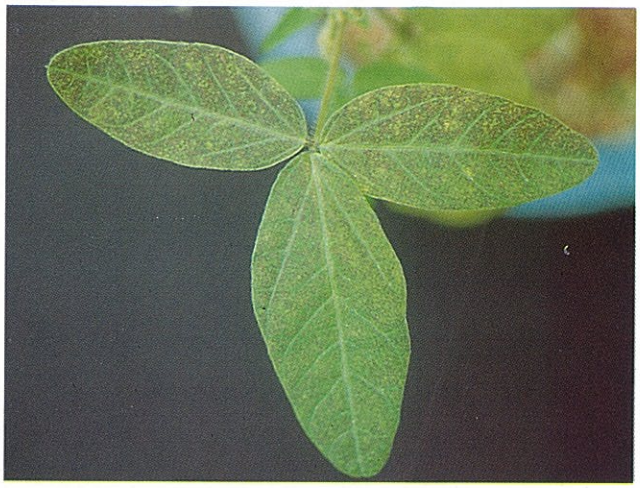
## D-7　大豆．Soybean.

照片 D-4 的近照. (如照片所示的葉間乾枯).

A close view of plate D-4. (necrosis as shown in the plate).



## D-8　大豆. Soybean.



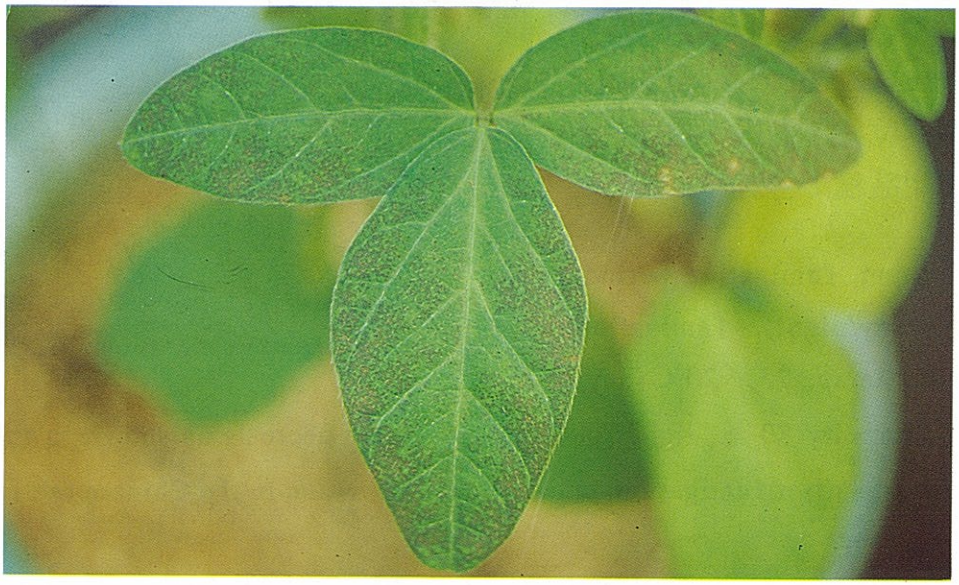
$O_3$ 0.1 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後6天，使用品種：高雄選15號.

$O_3$ 0.1 ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20 ℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

## D-9　大豆. Soybean.

照片D-8 的另一角度攝影. (徵狀：如照片所示).

Another view of plate D-8 .(symptom:as shown in the plate).



## D-10　玉米. Corn. Zea mays Linn.



$O_3$ 0.38ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後1天，使用品種：台農351.

$O_3$ 0.38ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: watersoaked appearance, photo: 1 day after fumigation, cultivar used is written in the Chinese section.

## D-11　玉米. Corn.



$O_3$ 0.25ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後2天，使用品種：台農351.

$O_3$ 0.25ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 2 days after fumigation, cultivar used is written in the Chinese section.

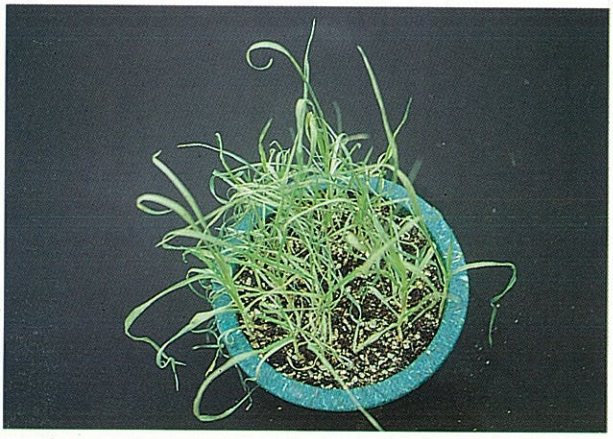
## D-12　玉米. Corn.



再觀察照片 D-10. (攝影：處理後8天). (如照片所示的葉間乾枯).

Again a view of plate D-10. (photo: 8 days after fumigation). (necrosis as shown in the plate).

## D-13　小麥. Wheat. Triticum vulgare Vill.



$O_3$ 0.58ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後1天，使用品種：台中品系.

$O_3$ 0.58ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃(day/night), humidity 80％, light 7000 lux, symptom: watersoaked appearance, photo: 1 day after fumigation, cultivar used is written in the Chinese section.

## D-14　小麥. Wheat.



照片 D-13 的近照. (葉間水漬狀).

A close view of plate D-13. (watersoaked appearance).

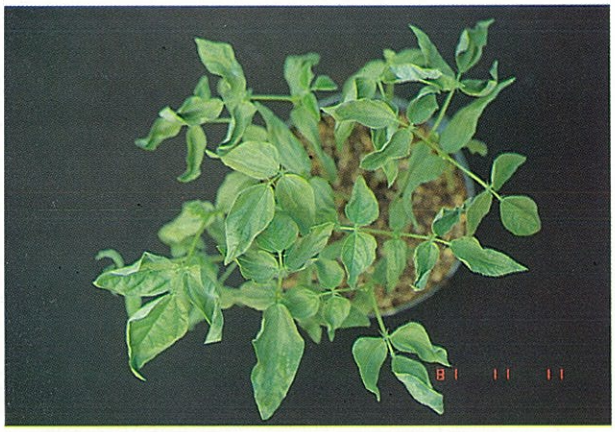
## D-15　小麥. Wheat.



再觀察照片 D-13. (攝影：處理後9天). (如照片所示的葉間乾枯).

Again a view of plate D-13. (photo: 9 days after fumigation). (necrosis as shown in the plate)

## D-16　綠豆. Mung bean. Vigna radiata (L) Wilczek.



$O_3$ 0.5 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後立即拍照，使用品種：粉綠.

$O_3$ 0.5 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom:watersoaked appearance, photo: immediately after fumigation, cultivar used is written in the Chinese section.

## D-17　綠豆. Mung bean.



照片 D-16 的近照. (葉間水漬狀).

A close view of plate D-16. (watersoaked appearance).

## D-18　綠豆．Mung bean.

照片 D-16 的近照. (葉間水漬狀).

A close view of plate D-16.
(watersoaked appearance).





## D-19　綠豆．Mung bean.

照片 D-16 的近照. (葉間水漬狀).

A close view of plate D-16.
(watersoaked appearance).

## D-20　綠豆．Mung bean.

再觀察照片 D-16. (攝影：處理後3天). (如照片所示的葉間乾枯).

Again a view of plate D-16.
(photo: 3 days after fumigation).
(necrosis as shown in the plate)



## D-21　綠豆. Mung bean.



$O_3$ 0.21ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後6天，使用品種：粉綠.

$O_3$ 0.21ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃ (day /night), humidity 80 %, light 7000 lux, symptom: necrosis as shown in the plate, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

## D-22　綠豆. Mung bean.

照片D-21 的另一角度攝影. (如照片所示的葉間乾枯).
Another view of plate D-21.(necrosis as shown in the plate).



## D-23　綠豆. Mung bean.



$O_3$ 0.1 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後6天，使用品種：粉綠.

$O_3$ 0.1 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

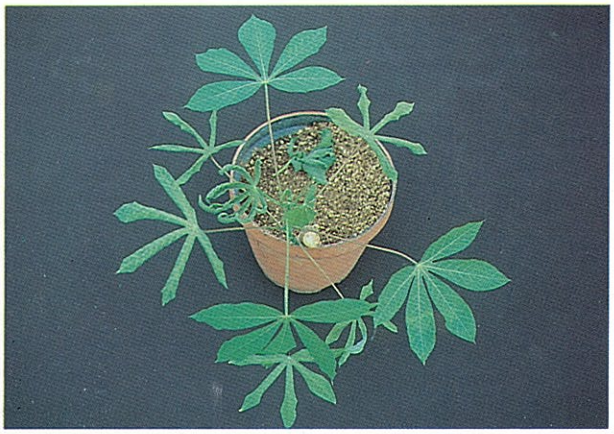
## D-24　木薯. Cassava. Manihot esculenta Crantz.



$O_3$ 0.9 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後3天，使用品種：甜味種.

$O_3$ 0.9 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 3 days after fumigation, cultivar used is written in the Chinese section.

## D-25　木薯. Cassava.



$O_3$ 4.0 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後立即拍照，使用品種：甜味種.

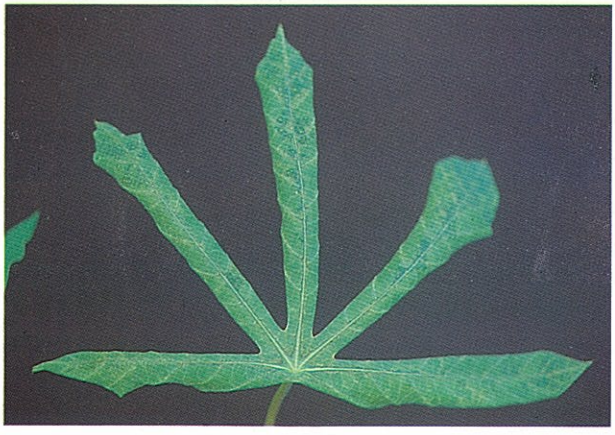
$O_3$ 4.0 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃(day/ night), humidity 80％, light 7000 lux, symptom:watersoaked appearance, photo: immediately after fumigation, cultivar used is written in the Chinese section.

## D-26　木薯. Cassava.



照片 D-25 的近照. (葉間水漬狀).

A close view of plate D-25. (watersoaked appearance).



## D-27　木薯. Cassava.

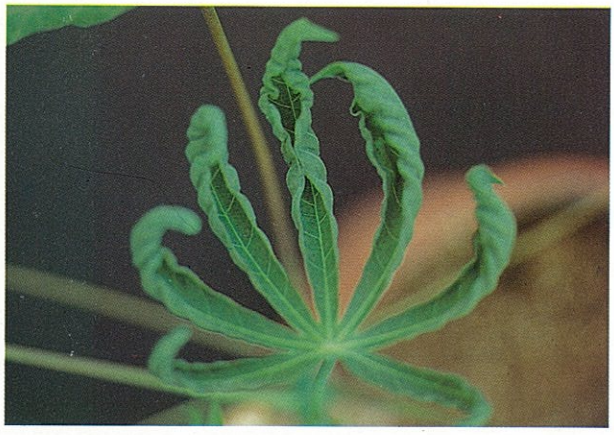
照片 D-25 的近照. (葉間水漬狀).

A close view of plate D-25. (watersoaked appearance).

## D-28　木薯. Cassava.

照片 D-25 的近照. (葉間水漬狀).

A close view of plate D-25. (watersoaked appearance).





## D-29　木薯. Cassava.

再觀察照片 D-25. (攝影：處理後4天).(如照片所示的葉間乾枯).

Again a view of plate D-25.(photo: 4 days after fumigation). (necrosis as shown in the plate)

## D-30　木薯. Cassava.

再觀察照片 D-25. (攝影：處理後13天). (如照片所示的葉間乾枯).

Again a view of plate D-25. (photo:13 days after fumigation). (necrosis as shown in the plate)



## D-31　木薯. Cassava.



照片 D-30 的另一角度攝影. (如照片所示的葉間乾枯).

Another view of plate D-30. (necrosis as shown in the plate).

## D-32　甘蔗. Sugarcane. Saccharum officinarum L.



$O_3$ 0.25ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後立即拍照，使用品種：ROC 10.

$O_3$ 0.25ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃(day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: immediately after fumigation, cultivar used is written in the Chinese section.

## D-33　甘蔗. Sugarcane.



再觀察照片 D-32. (攝影：處理後2天). (徵狀：如照片所示).

Again a view of plate D-32. (photo: 2 days after fumigation). (symptom: as shown in the plate)

## D-34 甘蔗. Sugarcane.



再觀察照片 D-32. (攝影：處理後9天). (徵狀：如照片所示).

Again a view of plate D-32. (photo: 9 days after fumigation). (symptom: as shown in the plate)

## D-35 甘蔗. Sugarcane.



照片 D-34 的另一角度攝影. (甘蔗全株). (葉尖乾枯).

Another view of plate D-34. (the whole plant). (tip necrosis).

## D-36 茶葉. Tea. Thea sinensis (L) Sims.



$O_3$ 0.508 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後2天，使用品種：青心烏龍.

$O_3$ 0.508 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25 ／ 20 ℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 2 days after fumigation, cultivar used is written in the Chinese section.

## D-37　茶葉．Tea.

照片 D-36 的另一角度攝影. (徵狀：如照片所示).

Another view of plate D-36. (symptom: as shown in the plate)





## D-38　茶葉．Tea.

再觀察照片 D-36. (攝影：處理後6天). (徵狀：如照片所示).

Again a view of plate D-36.(photo: 6 days after fumigation). (symptom: as shown in the plate)

## D-39　茶葉．Tea.

照片 D-38 的另一角度攝影. (徵狀：如照片所示).

Another view of plate D-38. (symptom: as shown in the plate)



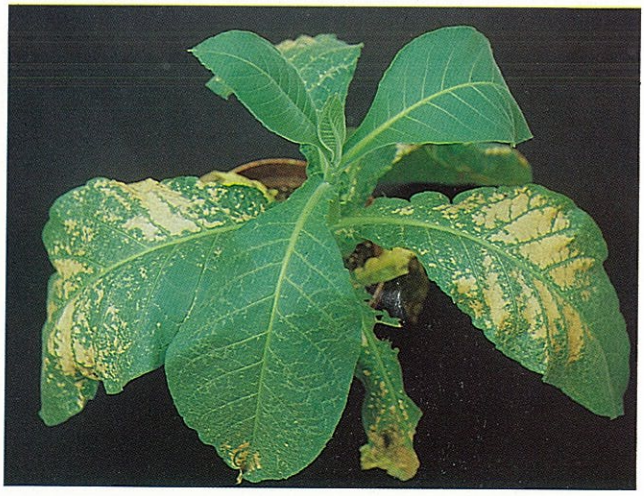
## D-40　菸草. Tobacco. Nicotiana tabacum L.



$O_3$ 0.5 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後立即拍照，使用品種：台菸6號.

$O_3$ 0.5 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom:watersoaked appearance, photo: immediately after fumigation, cultivar used is written in the Chinese section.

## D-41　菸草. Tobacco.



$O_3$ 0.5 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後3天，使用品種：台菸6號.

$O_3$ 0.5 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 3 days after fumigation, cultivar used is written in the Chinese section.

## D-42　菸草. Tobacco.

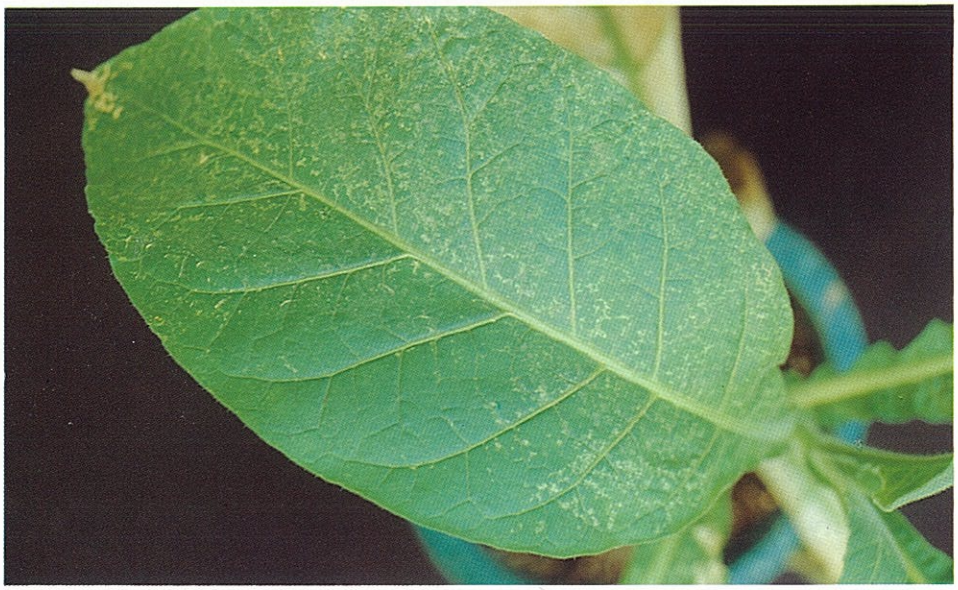


$O_3$ 0.21ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後6天，使用品種：台菸6號.

$O_3$ 0.21ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃(day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

## D-43　菸草. Tobacco.

照片 D-42 的另一角度攝影. (徵狀：如照片所示).
Another view of plate D-42. (symptom: as shown in the plate)



## D-44　菸草. Tobacco.



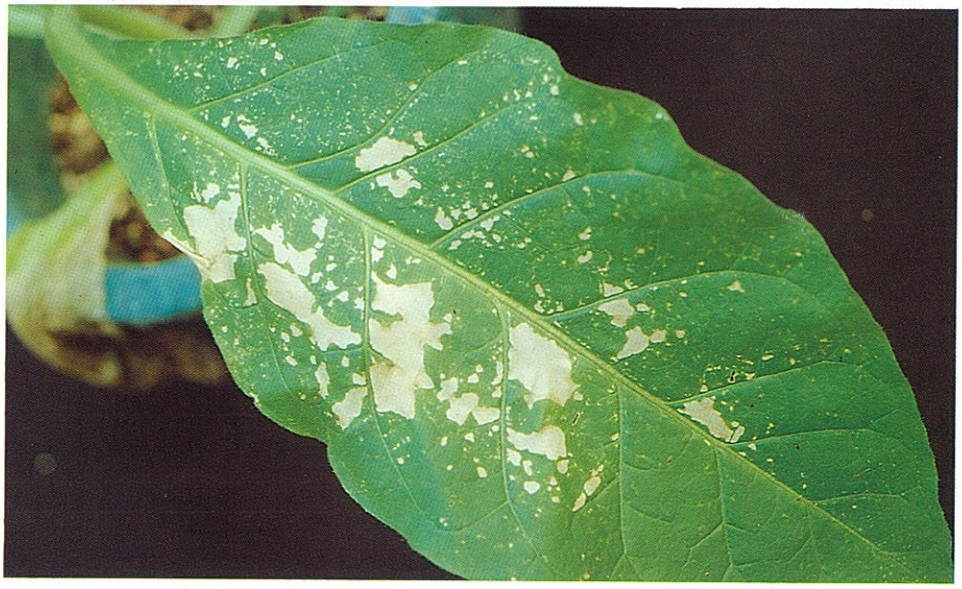
$O_3$ 0.1 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示的葉間乾枯，攝影：處理後5天，使用品種：台菸6號.

$O_3$ 0.1 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: necrosis as shown in the plate, photo: 5 days after fumigation, cultivar used is written in the Chinese section.

## D-45　菸草. Tobacco.

照片 D-44 的另一角度攝影. (如照片所示的葉間乾枯).

Another view of plate D-44. (necrosis as shown in the plate).



## D-46　苜蓿. Alfalfa. Medicago sativa L.



$O_3$ 0.38ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間水漬狀，攝影：處理後 1天，使用品種：草刈.

$O_3$ 0.38ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: watersoaked appearance, photo: 1 day after fumigation, cultivar used is written in the Chinese section.

## D-47　苜蓿. Alfalfa.



照片 D-46 的另一角度攝影. (葉間水漬狀).

Another view of plate D-46. (watersoaked appearance).



## D-48　苜蓿. Alfalfa.

照片 D-46 的另一角度攝影. (葉間水漬狀).

Another view of plate D-46. (watersoaked appearance).

## D-49　香蕉. Banana. Musa spp.



$O_3$ 0.22ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後3天，使用品種：北蕉.

$O_3$ 0.22ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20 ℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 3 days after fumigation, cultivar used is written in the Chinese section.

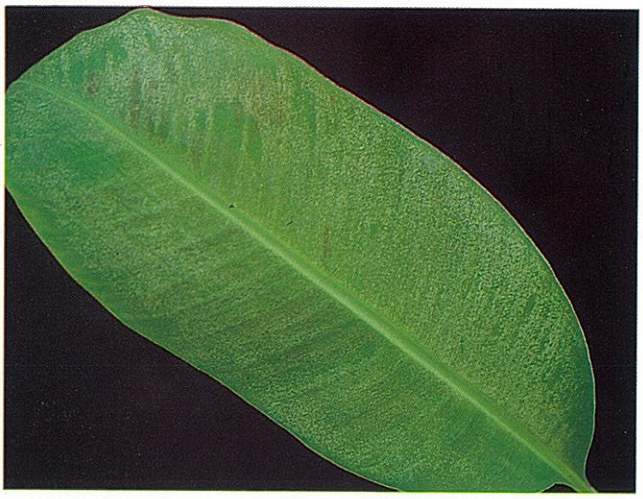
## D-50　香蕉. Banana.

照片 D-49 的近照. (徵狀：如照片所示).

A close view of plate D-49. (symptom: as shown in the plate).



## D-51　香蕉. Banana.



$O_3$ 2.5 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後3天，使用品種：北蕉.

$O_3$ 2.5 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 3 days after fumigation, cultivar used is written in the Chinese section.

## D-52　香蕉. Banana.



$O_3$ 4.0 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示，攝影：處理後2天，使用品種：北蕉.

$O_3$ 4.0 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃(day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate, photo: 2 days after fumigation, cultivar used is written in the Chinese section.

## D-53　柑桔. Citrus fruit. Citrus spp.



$O_3$ 2.0 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：未見受害徵狀，攝影：處理後5天，使用品種：椪柑.

$O_3$ 2.0 ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: no injury, photo: 5 days after fumigation, cultivar used is written in the Chinese section.

## D-54　荔枝. Litchi. Litchi chinensis Sonn.



$O_3$ 0.9 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：未見受害徵狀，攝影：處理後6天，使用品種：黑葉.

$O_3$ 0.9 ppm, fumigation period: 24 hrs.(day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: no injury, photo: 6 days after fumigation, cultivar used is written in the Chinese section.

## D-55　龍眼. Longan. Euphoria longana Lam.



$O_3$ 0.9 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：葉間黃化，攝影：處理後立即拍照，使用品種：粉殼.

$O_3$ 0.9 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: chlorosis, photo: immediately after fumigation, cultivar used is written in the Chinese section.

## D-56　龍眼. Longan.



照片 D-55 的近照. (葉間黃化).

A close view of plate D-55. (chlorosis).



## D-57　龍眼. Longan.

再觀察照片 D-55. (攝影：處理後6天). (葉間黃化及落葉).

Again a view of plate D-55. (photo: 6 days after fumigation). (chlorosis & the defoliation).

## D-58　龍眼. Longan.



$O_3$ 1.0 ppm，處理時間：24小時(日／夜)，處理時條件：溫度25／20℃(日／夜)，溼度80％，光度7000lux，徵狀：如照片所示及落葉，攝影：處理後2天，使用品種：粉殼.

$O_3$ 1.0 ppm, fumigation period: 24 hrs. (day/night), fumigation condition: temp. 25／20℃ (day/night), humidity 80％, light 7000 lux, symptom: as shown in the plate & the defoliation, photo: 2 days after fumigation, cultivar used is written in the Chinese section.

## D-59　龍眼. Longan.



照片 D-58 的近照. (未掉落之葉). (徵狀：如照片所示).

A close view of plate D-58. (the remaining leaves). (symptom:as shown in the plate).



## D-60　龍眼. Longan.

照片 D-58 的近照. (落葉). (徵狀：如照片所示).

A close view of plate D-58. (fallen leaves). (symptom:as shown in the plate).