MVX Syndrome pocketbook

Brown Cap Mushroom Disease
and
Patch Disease

Symptoms described

Version 1: March 2023

MU21007
*Pest and disease management
for the Australian mushroom industry*

Contact:
Judy Allan 0427 671 057
Warwick Gill 0417 766 588

1

Mushroom Virus X Syndrome consists of two distinct virus diseases – Brown Cap Mushroom Disease (BCMD) and Patch Disease – which can occur separately, or which may express concurrently, displaying a complex symptomology. Each disease is caused by the synergistic effect of at least two virus particles, one of which, particle AbV6, is shared between the two diseases.

Although BCMD expresses in Australia, the particle responsible for BCMD has not been identified in symptomatic mushrooms here, suggesting that expression of BCMD may be due to a uniquely Australian virus particle.

2

Patch Disease

Bare patches of unproductive casing 'spiral' along the affected mushroom bed.

3

Patch Disease

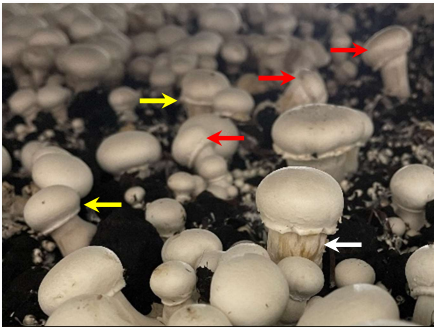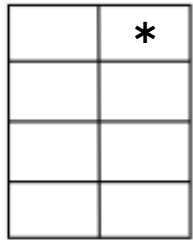Mushrooms express an overall reduction in quality which results in poor shelf-life.

4

Patch Disease

Brown mushrooms develop around the edge of bare, unproductive patches of casing within the affected mushroom bed.

5

Patch Disease

Affected mushrooms may display other discrete symptoms such as dropped veils (yellow arrows), water-streaked stipes (white arrow) and tilted caps (red arrows).

6

BCMD

Brown mushrooms expressing in a BCMD-affected crop may appear sporadically through a crop cycle.

Crops may appear overall to exhibit poor quality and open prematurely.

Image: Fleming-Archibald *et al* (2015) Brown Cap Mushroom Virus (associated with Mushroom Virus X) prevention. Factsheet 02/15 - MushTV
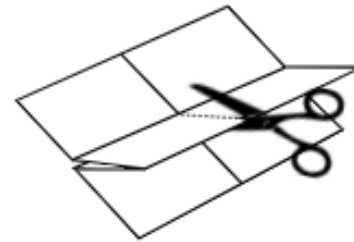
Pocketbook Folding Instructions
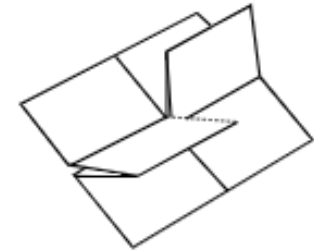
1. Start with front page at the top right

*

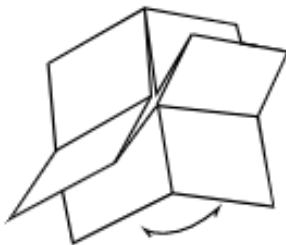2. Fold in halves until you have 8 boxes

3. Cut halfway down the center line only

4. Fold to opposite ends

5. Fold in half vertically

6. Fold in half horizontally

7. Done! Enjoy!

The PocketMod