

生物策略表

類別	生物策略 (Strategy)	
生物策略 STRATEGY	雙層的球體幫助散播孢子 (Double-layered ball assists spore dispersal)	
生物系統 LIVING SYSTEM	硬皮地星 <i>Astraeus hygrometricus</i> (Barometer earthstar)	
功能類別 FUNCTIONS	#散佈種子 #改變位置 #改變大小/形狀/質量/體積 #物理性組成結構 #Disperse seeds #Modify position #Modify size/shape/mass/volume #Physically assemble structure	
作用機制標題	地星真菌的雙層球體能透過外皮外翻裂開，向上推出內層球體發射孢子 (The double-layered ball of an earth-star fungus launches spores by splitting its outer skin, turning it inside out, and using it to push the second sphere and its contents up and out)	
生物系統/作用機制 示意圖		
作用機制摘要說明 (SUMMARY OF FUNCTIONING MECHANISMS)		
文獻引用 (REFERENCES)		
<p>「地星類 (earth-star) 的真菌會長出一個有兩層結構的球體，外層的皮在成熟時會裂開並外翻，把內層的球體往外向上推出。某些物種裂開外皮的內側有著明亮的紅或黃色，所以地星在這個階段看起來幾乎就跟一朵花一樣，孢子會從囊袋中心的孔洞中噴出。」 (Attenborough 1995: 176)</p> <p>“The fungi belonging to the group known as earth-stars produce a ball with a double skin. When this ripens, the outer skin splits and turns inside out, so pushing the inner sphere upwards. The under surface of the split skin, in some species, is brightly coloured, red or yellow, so that an earth-star at this stage looks almost flower-like. The spores then puff out from a hole in the centre of the bag.” (Attenborough 1995: 176)</p>		
參考文獻清單與連結 (REFERENCE LIST)		
Attenborough, D. (1995). <i>The private life of plants</i> . BBC Books.		
延伸閱讀		

生物系統延伸資訊連結 (LEARN MORE ABOUT THE LIVING SYSTEM/S)
https://en.wikipedia.org/wiki/Geastrum
撰寫/翻譯/編修者與日期
譚國銜翻譯 (2020/04/01)；林彥彤翻譯 (2020/05)；許秋容編修 (2020/11/25)；紀凱容編修 (2020/11/25)
AskNature 原文連結
https://asknature.org/strategy/double-layered-ball-assists-spore-dispersal/