

URC Shipping Performance and Action Plan

Use an Infrared thermometer to measure the **stem** temperature directly
[stem=most accurate reading of URC temperature condition].

Shipping Performance	URC Temperature			URC Appearance	Evaluation & Action [4 Hours at 45-50F (7-10C) is the minimum prior to stick, overnight is recommended]
	Ice	URC by Ice	URC on box edge		
Normal	30+F -1C solid Ice	50-60F 10-15C	<70F	Cold Damage by ice	Sort & discard necrotic & black tipped URC
			<21C	Turgid-no necrosis	Stick immediately
				Wilted-no necrosis	Cooler 4+Hours, stick when turgid
	40-50F 5-10C	60-70F 15-21C	<75F <24C	Turgid-no necrosis	Stick immediately
			Wilted-no necrosis	Cooler 4+Hours, stick when turgid	
Mild Stress	50-60F 10-15C	<75F <24C	>75F	Wilted-no necrosis	Cooler 4+Hours, stick when turgid
			>24C	Wilted + breakdown	Cooler 4+Hours, sort & discard dead tipped URC
Elevated Stress	>60F >15C	>75F >24C	>80F	Wilted-no necrosis	Cooler 4+Hours, stick when turgid
			>27C	Wilted + breakdown	Cooler 4+Hours, sort & discard dead tipped URC
High Stress	>75F >24C	>80F >27C	>85F	Wilted + breakdown	Cooler 4+Hours, sort & discard dead tipped URC
			>29C		

Poinsettia "Wilt or Turgidity Test"



Turgid=leaves outstretched, tip normal and no leaf edge wilt nor necrosis

Wilted=stem straight to slight bend, leaves hang down, tip normal and no leaf edge necrosis or breakdown

Breakdown=stem bent down, tip dried out, leaf edge dried or necrotic

Cooler-Hydration Process Recommendations:

- ✓ Unpack boxes and place bags in trays to improve airflow, cooling & hydration rate
- ✓ Check stem temperature and place high stress URC in separate area for review
- ✓ Set cooler to 50 to 59 F (10-15 C) with fan on constant operation
- ✓ Add humidity to maintain 90+%,
- ✓ A fog system is best to rapidly improve fully hydrated (turgid) URC
- ✓ Check stem temperature and hydration before sticking [4 hours to overnight]
- ✓ Minimize time out of cooler to mist bench to control re-wilting of URC