

### Are all Floodjets® the same?

In October 2018, the APVMA introduced **new label requirements** for products containing the active ingredient **2,4-D**.

The change included a mandatory statement to use nozzles that produce droplets no smaller than **Very Coarse (VC)** spray quality category, in order to minimise off target spray drift.

This has led to a move towards Floodjet® nozzles on droppers (Fig 1).

Floodjets® are a high volume nozzle that are capable of producing **VC** droplets or larger in some instances. As well as meeting legislative requirements, nozzles producing **VC** droplets cause **less crop damage** and **improved weed control** due to less drift.

There are **two key types of Floodjet® nozzles: TF and TK** (Fig 2). A common misconception is that these two models produce the same spray quality, this is not the case.

**New information released by TeeJet®** last year confirmed there is a major difference in spray quality between these nozzles. **TF nozzles produce Extra Coarse (XC) - Ultra Coarse (UC)** droplets, whilst **TK nozzles produce Fine (F) – Medium (M)** (see Fig. 3 and 4 below). This is for both stainless and polymer nozzles.



Fig 1. A boom fitted with droppers and Floodjets®

**TK Floodjet® nozzles are NOT appropriate for 2-4D application.** It is essential that growers and contractors understand exactly what nozzles they have on their machines to ensure compliance with recent label changes.



Fig. 2 TF-VS 7.5 (left) TK-VS 7.5 (right)

Turbo FloodJet® (TF)					
	bar				
	1.0	1.5	2.0	2.5	3.0
TF-2	UC	XC	XC	XC	VC
TF-2.5	UC	UC	XC	XC	XC
TF-3	UC	UC	XC	XC	XC
TF-4	UC	UC	UC	XC	XC
TF-5	UC	UC	UC	UC	XC
TF-7.5	UC	UC	UC	UC	XC
TF-10	UC	UC	UC	UC	XC

Fig 3. TF Spray Quality Source: Teejet® Technologies Catalog 51A-M

TK FloodJet® (TK-VP)					
	bar				
	1.0	1.5	2.0	2.5	3.0
TK-VP1	M	F	F	F	F
TK-VP1.5	M	F	F	F	F
TK-VP2	M	F	F	F	F
TK-VP2.5	M	M	F	F	F
TK-VP3	C	M	F	F	F
TK-VP4	C	M	M	F	F
TK-VP5	C	M	M	F	F
TK-VP7.5	VC	C	C	C	C
TK-VP10	VC	C	C	C	C

Fig 4. TK Spray Quality Source: Teejet® Technologies Catalog 51A-M

## A Project Bluewater Initiative: Improved Pesticide Use