THROTTLE BLADE CONTROL

On motorcycles that have the throttle body butterfly controlled by the computer (drive by wire), there are settings in the tune that control how this happens. In the tune are three fields, found under Airflow in WinPV.

Looking at this table, in gears 4-6, if the RPM is 1500, and the grip is 2.5%, the throttle body butterfly will open to 1.4%. At 1500 RPM and 100% grip, the butterfly will open to 30%. This will make the butterfly open progressively as RPM climbs. This can mask a bog or hesitation if the grip is opened quickly at low RPM.
If you want to make the throttle more aggressive, you can change the table’s cells larger, up to the grip position across the top. The bottom three rows have been changed. This change would produce a more aggressive feeling throttle.

Some users want their throttle response to be very aggressive, or one-to-one. This may produce a twitchy throttle; the slightest movement makes the bike jump.

The third table, Throttle Table Transition Gear defines which table is used for which gear. Common settings are,

3 – Use TBC-A for gears 1-3, and TBC for gears 4-6. This is the OEM setting.
0 – Use TBC for all gears 1-6.
6 – Use TBC-A for all gears 1-6.