

Fluorination

1 October, 2021

Evolution of fluorination in agrochemicals

We highlight the rising salience of fluorine in agrochemicals over the last 15 years. Introduction of fluorine in active ingredients has become an important concept in the quest for a modern crop protection product with optimal efficacy, environmental safety and economic viability. A number of recently developed agrochemicals represent novel classes of chemical compounds, which contain fluorine. Currently, there are 424 fluorine containing molecules present in the market and the share of fluorine containing new launches has risen considerably. Over CY16-CY20, the average salience of fluorine containing agrochemicals was ~67% vs ~54% during CY11-CY15 and ~51% during CY06-CY10. Also, across sub-categories, fluorine is equally dominant, with >50% share in all the key segments. Over CY21-CY28, agrochemicals molecule patents worth ~USD6bn are likely to expire, of which ~51% share is the fluorine containing molecules. We believe that fluorine in agrochemicals is a long-term opportunity for established players with strong client relationships and capabilities in complex fluorination.

View: Positive

Abhishek Navalgund

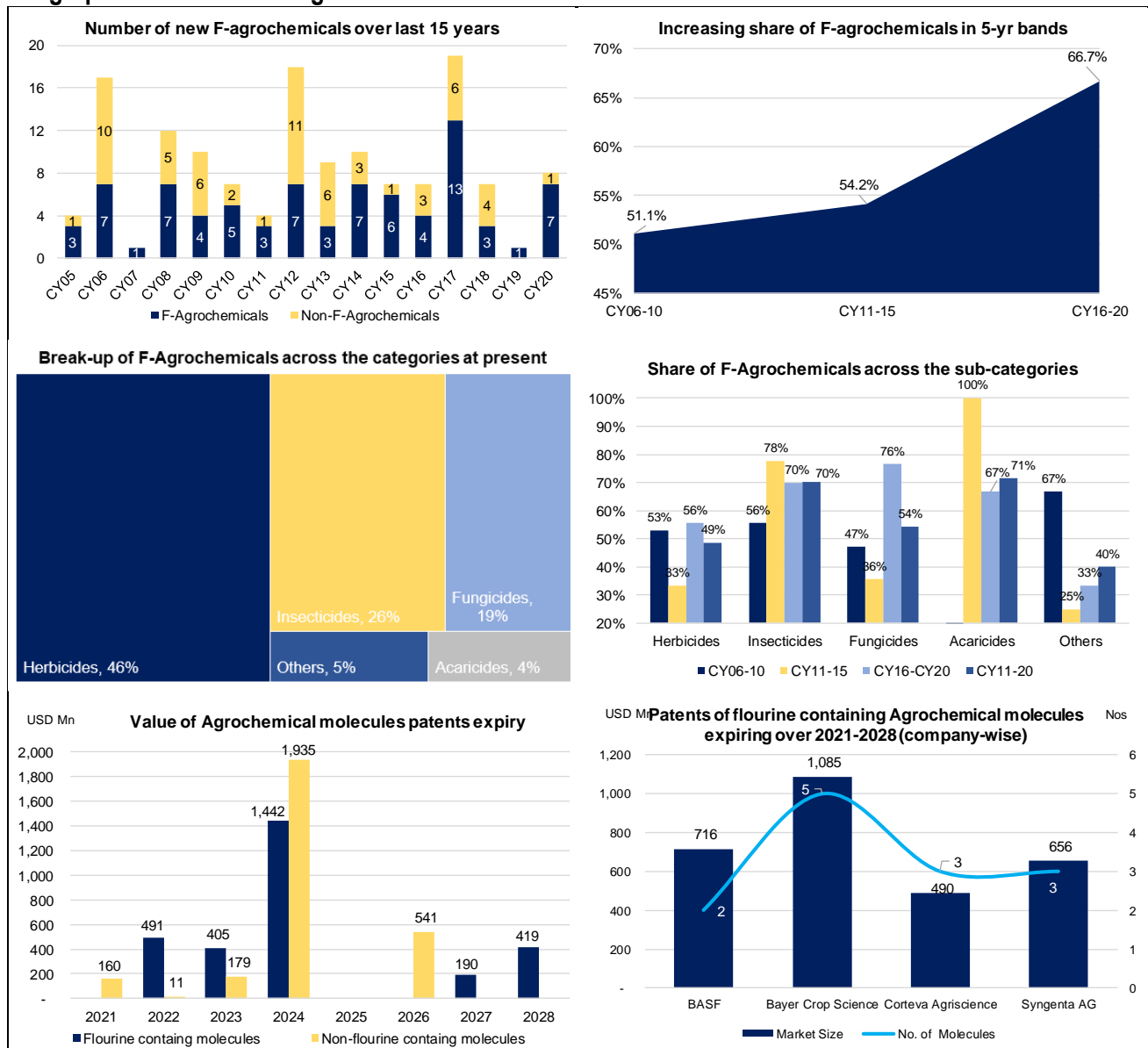
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For understanding fluorine opportunity in pharmaceuticals CRAMS (including innovators), please refer our note- [Decoding CRAMS opportunity](#)

Infographic on Fluorine in agrochemicals



Source: Industry, Nirmal Bang Institutional Equities Research

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