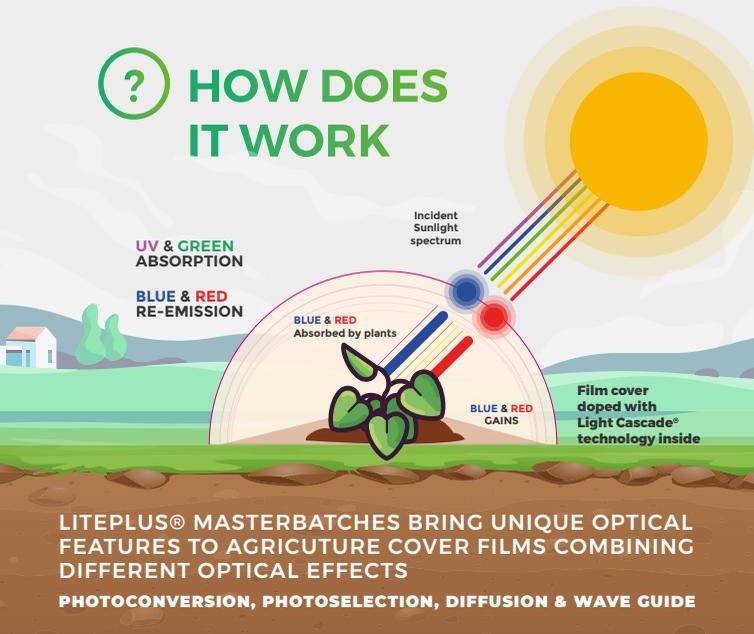


## LIGHT CASCADE® TECHNOLOGY

integrated in your greenhouse film modifies sunlight to boost BLUE & RED wavelengths beneficial to photosynthesis & photomorphogenesis

### ? HOW DOES IT WORK



## OUR PRODUCTS

Optically Active Masterbatches integrated into agriculture films adapted for each crop

## + CONTACT



WEB SITE  
[www.lightcascade.com](http://www.lightcascade.com)

E-MAIL  
[contact@lightcascade.fr](mailto:contact@lightcascade.fr)



ADDRESS : 91 rue de Roissis 92140 Clamart France



Agromonic data presented in this document are for information purpose only and do not, in any case, commit CASCADE company. CASCADE masterbatches are integrated in agriculture plastic films. It is necessary to follow installation and use recommendations of the film manufacturer

## LIGHT CASCADE® TECHNOLOGY

ENHANCES SUNLIGHT FOR YOUR VEGETABLE CROPS



### PROVEN AGRONOMIC BENEFITS

More than 110 agro trials total of which 18 double roof vegetable trials since 2013

- | Increases crop yields
- | Improves crop quality
- | Evaluated on tomato, pepper, eggplant, cucumber & zucchini



### SUSTAINABLE TECHNOLOGY

- | Efficient use of natural sunlight
- | Without compromising recyclability



### EASY TO IMPLEMENT

- | Does not interfere with pollination
- | Does not change farming practices

### PATENTED TECHNOLOGY



SCAN TO  
DOWNLOAD



CASCADE  
LIGHT TECHNOLOGIES



AVAILABLE  
FOR VARIOUS  
VEGETABLE  
CROPS



# LitePlus® DR

EVALUATED IN ALMERIA (SPAIN) IN REAL PRODUCTION CONDITIONS  
(EXPERIMENTAL FARM & PRODUCER)



# LitePlus® DR

for PEPPER, EGGPLANT, ZUCCHINI & CUCUMBER

# LitePlus® DR Tomato



## PEPPER

**CAJAMAR Experimental Farm, Almeria trial**

NOV. 2018 - FEB. 2019, Var 'Canzion'

| Crop yield (g/plant) ..... **+ 11%**

| Number of fruits (/m<sup>2</sup>) ..... **+ 16%**

| Equivalent fruit quality

**PROFESSIONAL SEED BREEDER, Almeria trial**

NOV. 2019 - MAR. 2020, Var 'Yellow & Red California'

| Improved pollination ..... **> 10%**

| Pollination precocity ..... **7 days**

| End of pollination ..... **- 2 to 4 weeks**



## ZUCCHINI

**TECNOVA Experimental Farm, Almeria trial**

NOV. 2018 - DEC. 2018, Var 'Calabonita'

| Crop yield (g/plant) ..... **+ 25%**

| Number of fruits (/m<sup>2</sup>) ..... **+ 24%**

| Faster fruit development ..... **- 0.8 day**



## EGGPLANT

**Almeria Professional Grower testimony**

OCT. 2019 - MAY. 2020, Var 'Chinese Eggplant'

| Regular production (flowering & harvest),  
very good vegetation and plant health, above  
average fruit quality, increased crop yield



**GROWER VIDEO  
TESTIMONY**



## 3 Trials with a specific tomato masterbatch

**NEW**

**TECNOVA Experimental Farm, Almeria trial**

DEC. 2018 - MAY. 2019 Var. 'Caniles'

| Crop yield (g/plant) ..... **+ 16%**

| Number of fruits (/m<sup>2</sup>) ..... **+ 12%**

| Equivalent fruit quality & faster fruit development

**UNIV. OF ALMERIA Experimental Farm trial**

FEB. 2019 - JUN. 2019 Var. 'El Cabo'

| Crop yield (g/plant) ..... **+ 12%**

| Equivalent fruit quality

**UNIV. OF ALMERIA Experimental Farm trial**

NOV. 2019 - MAR. 2020 Var. 'Ventero'

| Crop yield (g/plant) ..... **+ 28%**

| Improved quality ... **Firmness & chromaticity**

| Number of fruits (/m<sup>2</sup>) ..... **Up to+ 40%**

| Pest & disease reduction ... **Botrytis & Tuta**



**LIGHT CASCADE TECHNOLOGY  
ALSO AVAILABLE FOR BERRIES**

